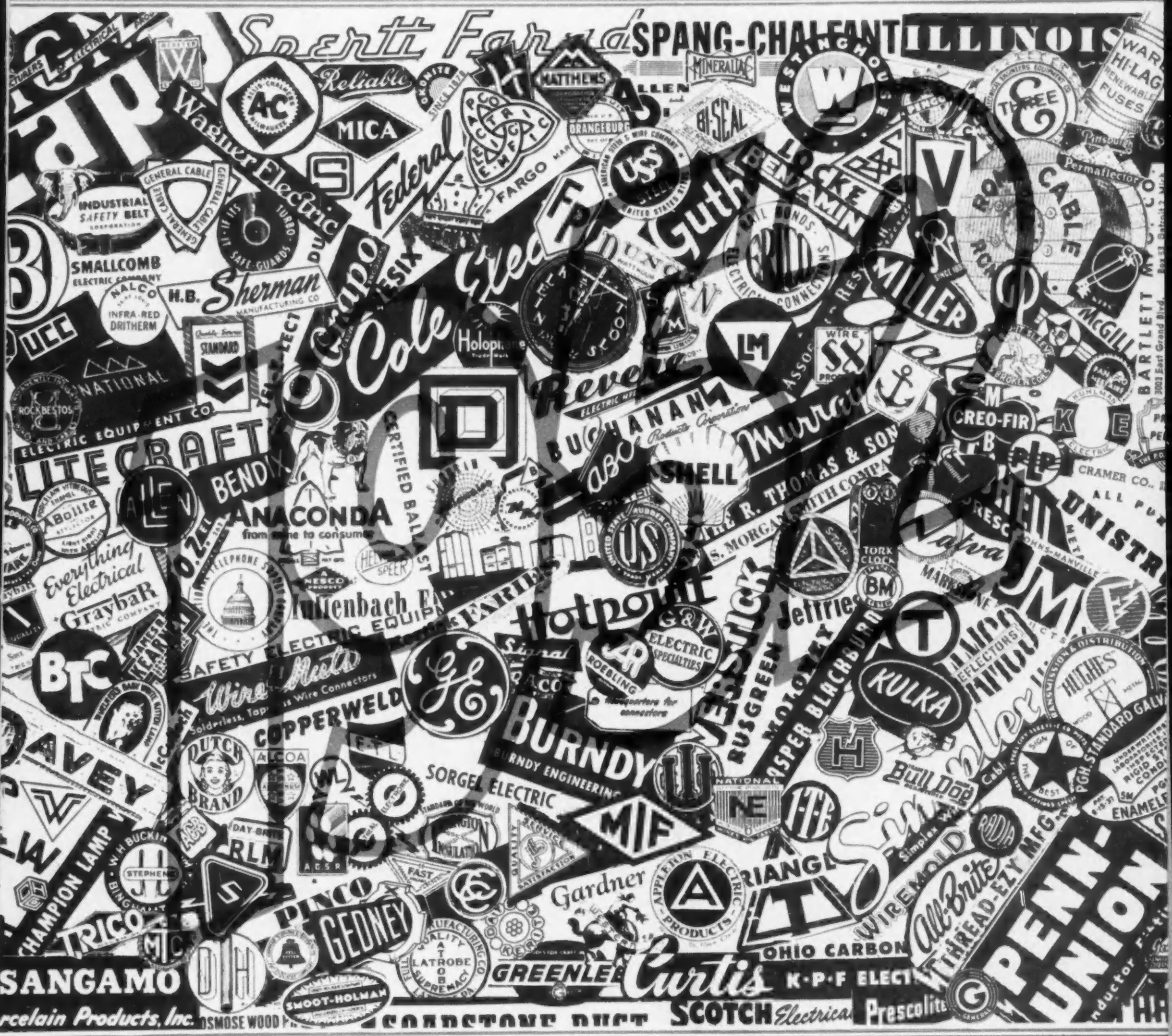
ELECTRICAL WEST Part II

April 1952
50 Cents



Manufacturers' Directory Issue

SPOKESMAN FOR THE MOST HIGHLY ELECTRIFIED REGION OF THE U. S.

a Line You Can Depend On!

This 60,000-kw, 3600-rpm turbine-generator is the first installation in the world to use *supercharged* conductor cooling. By bringing high-velocity hydrogen in direct contact with generator rotor conductors, it cuts foundation costs, plant size, and breaker and bus structure requirements.

Allis-Chalmers Gives You Advanced Engineering Backed by Adequate Service Facilities

WHEN YOU SPECIFY ALLIS-CHALMERS, you select from a broad but integrated range of electrical and mechanical equipment. This wide range of products provides A-C engineers with a wealth of practical experience that assures you advanced engineering.

Supercharged conductor cooling of turbine-generators; *tube-type* air-to-air heat exchanger construction of TEFC motors; ⅝% step distribution voltage regulators . . . these are just a few examples of Allis-Chalmers engineering leadership. You get that leadership in all Allis-Chalmers equipment . . . whether it's large or small.

Engineering help in the selection of new equipment and for installation and repairs is available to the electrical West through nine sales and engineering offices. Added service is offered through strategically located warehouses and by more than 70 Authorized A-C Dealers and Certified Service Shops. Allis-Chalmers, Milwaukee 1, Wisconsin. A-3682

Texrope and Electrifugal are Allis-Chalmers trademarks.

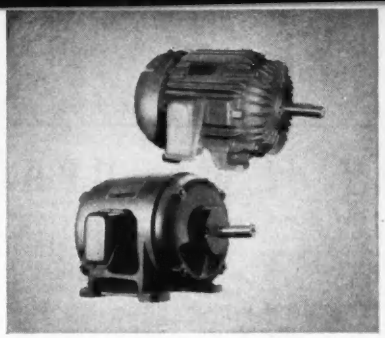
Air Ejectors . . . Blowers . . . Circuit Breakers . . . Compressors . . . Control . . . Deaerating Heaters . . . Distribution Voltage Regulators . . . Generators . . . Generator Voltage Regulators . . . Hydraulic Turbines . . . Motors . . . Motor-Generator Sets . . . Pumps . . . Rectifiers . . . Steam Turbines . . . Surface Condensers . . . Switchgear . . . Synchronous Condensers . . . Texrope Drives . . . Transformers . . . Unit Substations . . . Water Conditioning Equipment, Chemicals and Service . . . Plus a Wide Range of Processing Equipment.

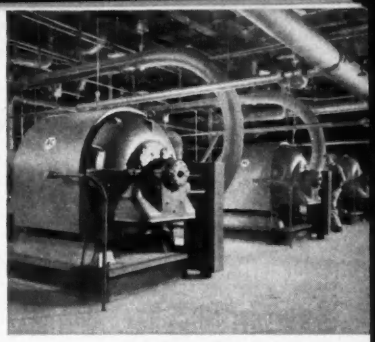
ALLIS-

PIONEERS IN POWER AND

Motors

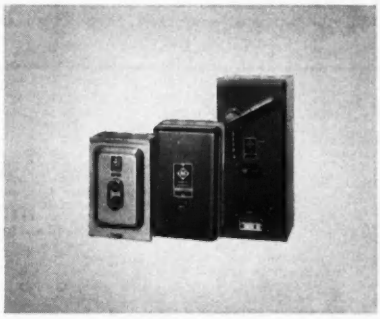
Allis-Chalmers advanced engineering is available in a complete line of polyphase squirrel-cage and wound-rotor induction motors and also in direct-current and synchronous motors. Ratings range from ½ hp to the largest used in industrial and power-plant applications. Open, drip-proof, splash-proof, and totally-enclosed construction and electrical modifications available are described along with general application data in handy guide Bulletin 51B6052.





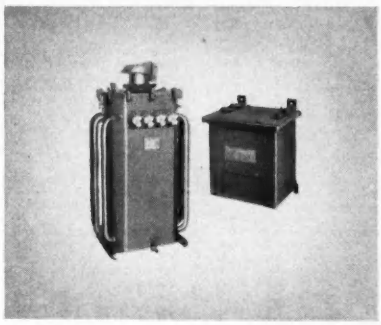
Control

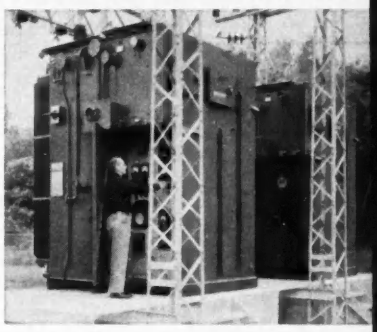
You can turn to Allis-Chalmers for starters for every motor need. For low-voltage motors, A-C builds manual, magnetic and combination across-the-line starters and manual and magnetic reduced-voltage starters. High-voltage units are available for squirrel-cage, wound-rotor and synchronous motors. All are easy to install and have construction features that contribute to long life, dependable operation and simplified inspection. Ask for handy guide Bulletin 51B6052.



Power Supply

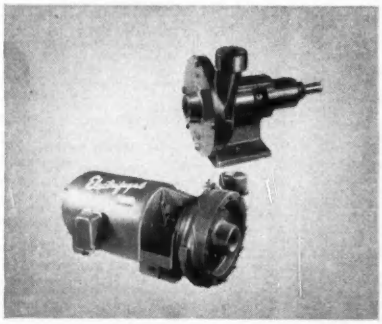
Whether you need a small distribution transformer, a unit substation, or a large power transformer to provide the most efficient operating, distribution or transmission voltage, it will pay you to call on Allis-Chalmers. Wise application of transformers or substations cuts line costs and losses, simplifies layout changes, improves voltage regulation, and saves man-hours. Bulletin 01B6186 describes power, distribution and instrument transformers and unit substations.

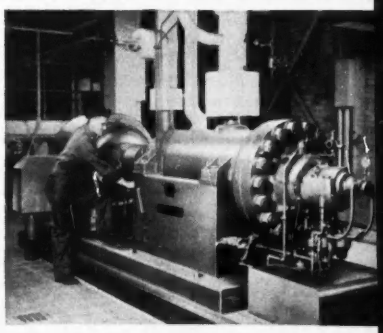




Pumps

When you specify an Allis-Chalmers pump you benefit from more than 60 years of experience in designing and building centrifugal pumps. This is true whether you require a fractional-horsepower pump, a general-purpose pump, or a special 2500-psi barrel-type boiler-feed pump . . . or any other unit in A-C's broad line. Ratings and construction features are described in Bulletin 52B6059 For assistance in selecting your pumps, see your A-C dealer or sales representative.





CHALMERS

A-C ALLIS-CHALMERS

ELECTRICAL EQUIPMENT FROM GENERATION THROUGH UTILIZATION

DIRECTORY of MANUFACTURERS

Alphabetical listing of manufacturers of electrical equipment, showing their principal Western offices and sales representatives. ● Every manufacturer operating in this territory is privileged to be included without charge. While this Directory is as accurate and complete as the publishers could make it, ELECTRICAL WEST assumes no responsibility for errors or omissions. **PAGES 1 TO 53.**

WHERE-TO-BUY IN THE WEST—Alphabetical listing of various electrical products, showing Western sources. **PAGES 54 TO 71.**

DIRECTORY OF APPLIANCE SERVICE AND REPAIR PARTS—A listing of electrical appliance manufacturers' Western service stations and parts depots. **PAGES 77 TO 92.**

DIRECTORY OF REPRESENTATIVES—A listing by states and cities of manufacturers' representatives handling electrical lines. **PAGES 72 TO 76.**

A-B STOVES DIV., Detroit-Mich. Stove Co., 24th St., Battle Creek, Mich.—Eric F. Chemnitz, 1355 Market St., San Francisco; R. L. Baldwin (Crescent Sales Co.), 440 Sexton St., Los Angeles 23; Earl E. Eckstrom & Associates, 2601 Second Ave., Seattle.

ACCURATE MANUFACTURING CO., 44 Hepworth Place, Garfield, N. J.—F. J. Airey Co., 1855 So. Matee St., Los Angeles; Wm. H. Gribble, 201 Pacific Bldg., San Francisco; Electric Agencies, 618 Second Ave., Seattle; Wynne Snoots Co., 2nd Unit Santa Fe Bldg., Dallas, Tex.

ACCURATE SPRING MFG. CO., 3811 W. Lake St., Chicago, Ill.—E. Jordan Brookes Co., 7 Front St., San Francisco; 351 So. Robertson Blvd., Beverly Hills, Calif., and 518 First Ave. So., Seattle 4.

ACE COMPANY, 112 W. Washington St., Ocala, Florida—Wm. E. Salling, 1046 S. Olive, Los Angeles; F. E. Bennet Co., 426 Northwest Sixth Ave., Portland; Murry Jacobs Co., 528 First Ave. South, Seattle 4; Murry Sales Co., 18 Wazee Market, Denver 4.

ACME ELECTRIC CORPORATION, Cuba, New York—E. N. Hughes, 1709 West 8th St., Los Angeles; H. George Shefler, 240 So. First Ave., Phoenix; K. B. Schumann, 814 12th St., Denver.

ACME ELECTRIC HEATING CO., 1217 Washington St., Boston, Mass. — Braun-Knecht-Heimann Co., 1400 Sixteenth St., San Francisco.

ACME ELECTRIC WELDER, 2620 Fruitland Road, Los Angeles 58, Calif.—Ralph B. Lundy, 1063 Howard St., San Francisco.

ACME LIGHTING & MFG. CO., 949-955 East 31st St., Los Angeles 11, Calif—Peerlite Mfg. & Supply, 178 5th St., San Francisco; Sunlight Elec. Supply, 444 5th Ave., San Diego; E. W. Ross, Jr., 2637 Perkins Lane, Seattle 99; John W. Reynolds, 74 West 4th South, Salt Lake City.

ACME LITE PRODUCTS CO., 350 E. 182nd St., New York City—S. Flatau, 409 E. 3rd St., Los Angeles; Electri-Cal, 5455 Hollywood Blvd., Los Angeles; E. Russell White, 2535 N.E. 37th Ave., Portland; L. M. Baxter Co., 1220 S.W. Stark St., Portland.

ACME STEEL CO., 2840 Archer Ave., Chicago, Ill.—Branch offices: F. Middleton, Mgr., 432 Bryant St., San Francisco; S. J. Johnson, Pacific Coast Mgr., W. F. Tucker, Mgr., 4903 Pacific Blvd., Los Angeles, and E. P. Naumes, Mgr., Portland and Seattle.

ACORN INSULATED WIRE CO., INC., 36 Freeman St., Pawtucket, Rhode Island—Keeler, White Co., (in following cities) 615 Seventh St., San Francisco; 436 Colyton St., Los Angeles; 422 N.W. Fourth Ave., Portland 9; 1041 Sixth Ave., South, Seattle; 204 Keith Bldg., Denver; S. 121 Madison St., Spokane.

ACRO SWITCH DIV., The Acro Mfg. Co., 2040 E. Main, Columbus, Ohio—George S. Tivy Co., 1148 So. Grand Ave., Los Angeles 15; Kierluff & Co., 820 Olympic Blvd., Los Angeles; R. H. Fisher Sales Co., 721 Clementina St., San Francisco; W. D. Brill Co., 198 10th St., Oakland; C. B. Parsons, 119 Belmont Ave. N., Seattle; H. G. Shefler, P. O. Box 1587, Phoenix; C. P. Elliot, 3020 S. Cherry St., Denver.

ADALET MFG. COMPANY, 14300 Lorain Ave., Cleveland 11, Ohio—Angus Campbell, Inc., 917 Bryant St., San Francisco 3, and 5329 Santa Fe Ave., Los Angeles 58; McGillan Sales Co., 513 So. Amherst, Albuquerque; Wiant Products Co., 1231 N.W. Hoyt St., Portland 9.

ADAM ELECTRIC CO., FRANK, 3650 Windsor Place, St. Louis, Mo.—Columbia Electric Mfg. Co., 275 Steuart St., San Francisco; Myers Elec. Products, Inc., 2365 E. 57th St., Los Angeles 11; M. E. Cook, 812 West 4th Ave., Spokane; F. E. Staible & Sons, 2046 Arapahoe St., Denver 2; Thermal Engineering Co., Box 446, Salt Lake City; and P.O. Box 902, Boise, Idaho.

ADAPTI COMPANY, The, 2996 E. 72nd St., Cleveland, Ohio—J. M. Chapman Co., 290 9th St., San Francisco and 2216 First Ave., Seattle 1; H. George Shefler Company, P. O. Box 1587, Phoenix; L. D. Hood Sales Agency, P. O. Box 2751, Lakewood, Colo.

ADJUSTABLE FIXTURE CO., 104 E. Mason St., Milwaukee 2, Wis.—Leading electrical wholesalers, all cities.

ADMIRAL CORPORATION, 3800 W. Cortland St., Chicago, Ill.—McCormack & Co., 450 Ninth St., San Francisco; Herbert H. Horn, Inc., 915 S. Mateo, Los Angeles; Gold E. Distributors, Inc., 1905 E. Harbor Dr., San Diego; Arizona Hardware, 1st and Jackson, Phoenix; R. H. Gemberling, 121 S. Monroe, Spokane; Columbia Distributing Co., 2601 Market, Seattle; W. B. Lloyd Co., 51 S. Second St. West, Salt Lake City; Cunningham Distributing, Inc., 701 W. Coolidge, Albuquerque; Midland Dist. Co., 2302 First Ave. N., Billings; Capitol Dist., Inc., 2017 Cedar Springs, Dallas; The Irion Co., Inc., 2159 Mills St., El Paso; Royal Dist. Co., 2211 Commerce St., Houston; Lou Johnson Co., Inc., 422 N.W. 8th Ave., Portland.

ADVANCE TRANSFORMER CO., 1122 West Catalpa Ave., Chicago 40, Ill.—Ray J. Noel Co., 3301 Trinity St., Los Angeles.

AEROLITE ELECTRONIC HDWE. CORP., 507 26th St., Union City, N.J.—C. H. Mitchell Co., 1221 W. 11th St., Los Angeles.

AEROLUX LIGHT CORP., 653 11th Avenue, New York N. Y.—Brass & Copper Specialties, 576 South Alexandria Ave., Los Angeles 15; Edw. F. Colcock, 604 Terminal Sales Bldg., Seattle 1.

AERO-MOTIVE MFG. CO., 1803 Alcott St., Kalamazoo, Mich.—W. S. Bowles, 113 Market-Grove Bldg., 1232 Market St., San Francisco.

AEROVENT FAN CO., INC., 700 E. Ash St., Piqua, Ohio—Sharpe Eng. Co., 415 West 8th St., Los Angeles 14; H. K. Mead, 1100 Guardian Bldg., Portland 4; George E. Mead, 816 Arctic Bldg., Seattle 4.

AEROVOX CORP., 740 Belleville Ave., New Bedford, Mass.—W. C. Hitt Co., 1355 Market St., San Francisco, and 1169 So. Broadway, Los Angeles; Wm. H. Connors, 1590 Eudora St., Denver; George G. Willison, 2030 Harold St., Houston; James J. Backer, 2321 Second Ave., Seattle.

AGASTAT Div. American Gas Accumulator Co., 1030 Newark Ave., Elizabeth 3, N. J.—Western Electro Mechanical Co., 300 Broadway, Oakland.

AINSWORTH LIGHTING, INC., 3810 29th St., Long Island City 1, N. Y.—E. I. Jones Co., National City Bldg., Dallas.

AIR CONTROLS, INC., 2310 Superior Ave., Cleveland, Ohio—O. C. Hatch, 8200 15th St. N.E., Seattle; H. A. Weller, 3411 N.E. Hassalo St., Portland; F. T. Clifford, 29 S. State, Salt Lake City.

AIRCRAFT-MARINE PRODUCTS, INC., 2100 Paxton St., Harrisburg, Penna.—Branch Offices: A. deLaet, Mgr., 366 Brannan St., San Francisco; O. W. Holmes, 3138 W. El Segundo Blvd., Hawthorne, Calif.; C. T. Dykes, 106 N. Carroll Ave., Dallas. Agents: Northwestern Agencies, 4130 First Ave. So., Seattle.

AIR FILTER CORP., 108 No. Water St., Milwaukee, Wis.—Industrial Air Cond. Equipment, 4169 Verdugo Road, Los Angeles; R. A. Parker & Co., 250 7th St., San Francisco; L. E. Gosling & Co., 1105 N.E. 21st St., Partland; Harold W. Frederick Co., P.O. Box 186, Spokane 8.

AIROLITE COMPANY, Westview Avenue, Marietta, Ohio—George Hatch, 4169 Verdugo Road, Los Angeles 65; Harold B. Gibbs, 1650 Jones St., San Francisco; Fryer-Knowles, 1718 Broadway, Seattle; W. H. Cress Co., 306 Concord Bldg., Portland; Harry I. Davis, 718 S. Carlisle Ave., Albuquerque, L. W. Worthington, 2916½ First Ave. N., Billings; Williams, Gritton & Wilde, 204 Dooly Bldg., Salt Lake City; Colo. Builders Supply, 1534 Blake St., Denver; Maloney Specialties, 823 W. Laurel St., San Diego; A. C. Baechlin, 2033 N. 40th St., Phoenix.

AIRMASTER CORPORATION, 4317 Ravenswood Ave., Chicago 13, Ill.—O'Keefe, Inc., 55 11th St., San Francisco 3.

AIR-RAY ELECTRIC FURNACE, P. O. Box 549, Puyallup, Wash.

AIR-WAY ELECTRIC APPLIANCE CORP., 2101-2115 Auburn Ave., Toledo 1, Ohio—Factory Branches; 717 Market St., San Francisco, Calif.; 2500 West Sixth St., Los Angeles; 3759 9th St., Riverside; 260 Spreckels Bldg., San Diego; 2013 Chester Ave., Bakersfield; 1044 Fulton St., Fresno; 1216 State St., Santa Barbara; 1017 S.W. Washington St., Portland; 109 Virginia St., Seattle; W. 905 Riverside Ave., Spokane; 1410 Idaho St., Boise; 409 Dooly Bldg., Salt Lake City; 2331 No. 7 St., Phoenix.

AJAX ELECTRIC CO., INC., 930 Frankford Ave., Philadelphia, Penna.—T. E. Nicklas, 1119 No. 3rd St., Temple, Texas; A. W. Nash, 3312 W. Vernon Ave., Los Angeles 8.

AJAX ELECTROTHERMIC CORP., Ajax Park, Trenton, N. J.—E. A. Wilcox Co., 277 7th St., San Francisco; J. Max Lee, 839 E. 4th St., Los Angeles 13.

ALABAMA MFG. CO., 1st Ave. No. & 13th St., Birmingham, Ala.—Fred C. McGavock, 1516 N. E. Schuyler, Portland; C. W. McKnight and E. B. Smith, 3700 Abrams Road, Dallas 14. Sold thru leading distributors all principal cities.

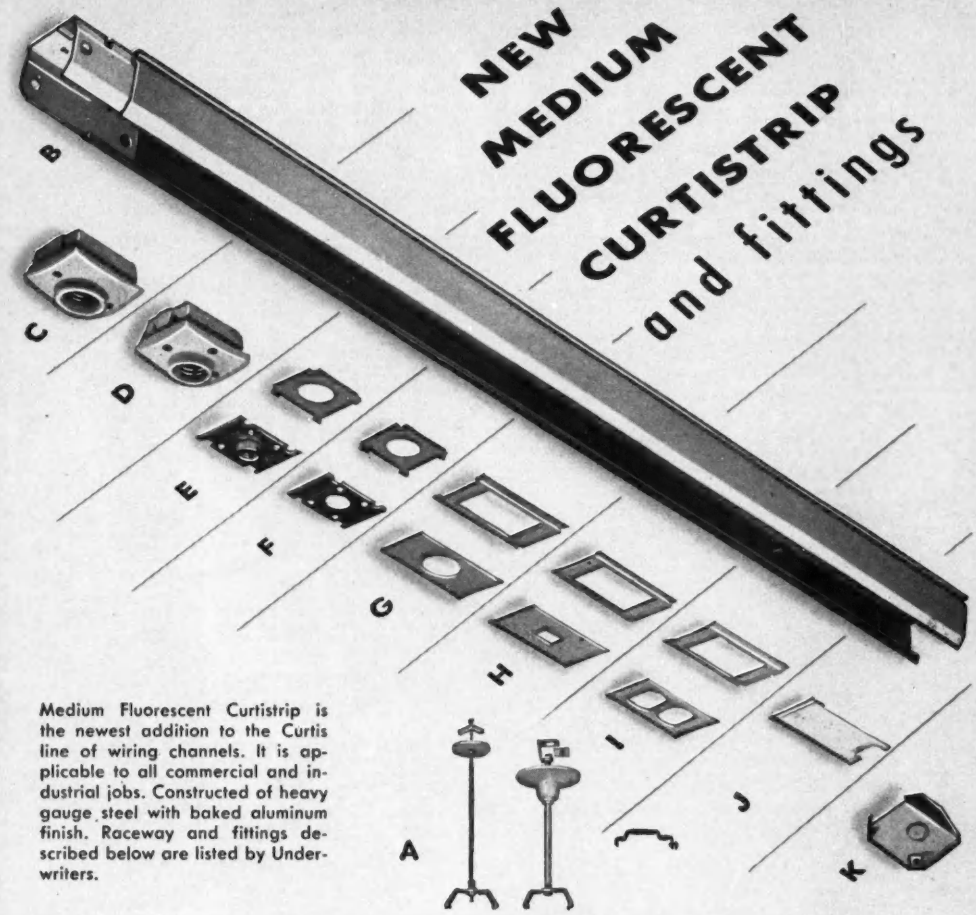
ALBERTSON & CO., Inc., 3100 Lowell Ave., Sioux City, Iowa—C. C. Beebe, 2058 W. 78th Place, Los Angeles; M. E. Dear, 2218 42d Ave. S.W., Seattle; E. T. Jacobsen, 9204 S. La Reina Ave., Downey, Calif.; H. W. Tott, 249 Cherrywood St., San Leandro, Calif.; Frank Orr, 22 So. Ogden, Denver.

ALBERTSON ELECTRIC CO., 3530 W. Pierce St., Milwaukee, Wis.—Through distributors all leading cities.

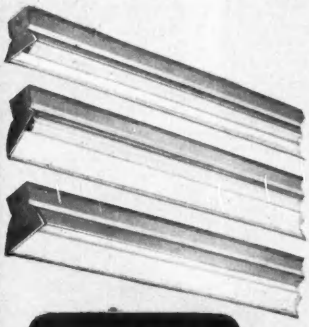
ALCO VALVE CO., 865 Kingsland Ave., St. Louis 5, Mo.—Pacific Scientific Co., (in following cities) 25 Stillman St., San Francisco; 1430 Grande Vista Ave., Los Angeles; 1915 First Ave. So., Seattle; Terminal Sales Bldg., Portland.

ALCOR MANUFACTURING CO., 4444 W. Roosevelt Road, Chicago, Ill.—S. Borkvist, 6216 Laird Ave., Oakland, Calif.; Kirshenbaum Bros., 325 E. Olympic Blvd., Los Angeles.

NEW MEDIUM FLUORESCENT CURTISTRIP and fittings



Medium Fluorescent Curtistrip is the newest addition to the Curtis line of wiring channels. It is applicable to all commercial and industrial jobs. Constructed of heavy gauge steel with baked aluminum finish. Raceway and fittings described below are listed by Underwriters.



COMPLETE WIRED UNITS

Medium Fluorescent Curtistrip wired units furnished in 8 ft. sections with 2-lamp ballasts and 4 ft. sections with single lamp ballast. Available with closed or open-end Alzak Aluminum or baked white "Fluracite" enamel reflectors. Shallow Reflector for general lighting, local or indirect lighting. Asymmetric Reflector for sloping surface, show windows or cove lighting applications. Deep Reflectors for semi-concentrating lighting or direct lighting over counters, benches, cases, etc.

FITTINGS

A	Versatile tong and clamp type hangers.
B	Coupling for connecting two pieces of Curtistrip.
C	Porcelain socket with shade holder groove.
D	Porcelain socket, no shade holder groove.
E	Female nipple attachment for supporting reflectors.
F	Plate to connect BX to Curtistrip.
G	Single plate for all standard receptacles.
H	Switch plate for standard toggle switch.
I	Duplex plate for all standard receptacles.
J	Fluorescent lampholder plate.
K	End cap with knockout.

CURTIS LIGHTING, INC.

Write Dept. D16-05 for free details on this new Medium Curtistrip and the Small and Mogul sizes.

SEE US AT BOOTH 51, N.A.E.D. CONVENTION AT ATLANTIC CITY IN JUNE

Dept. D 16-05, 6135 West 65th Street, Chicago 38, Illinois

ALL-BRIGHT ELECTRIC PRODUCTS CO., 3917 No. Kedzie, Chicago, Ill.—Bruce W. Stiles, Construction Bldg., Dallas, also thru wholesalers in electrical field.

ALLEGHENY LUDLUM STEEL CORP., 2020 Oliver Bldg., Pittsburgh, Penna.—Branch offices: 5333 E. Slauson Ave., Los Angeles 22; 36 Berry St., San Francisco 7; 1927 First Ave., South, Seattle.

ALLEN MANUFACTURING CO., 133 Sheldon St., Hartford, Conn. —Paul Pick, 24 California St., San Francisco; David T. Lane, 817 So. San Pedro, Los Angeles.

ALLEN COMPANY, INC., L. B., 6710 Bryn Mawr, Chicago, Ill.—H. B. Squires Co., 156 Eighth St., San Francisco; George P. Wilcox, 2330 W. 3rd St., Los Angeles 5; E. C. Coffin Co., 1661 East 48th St., South, Salt Lake City; Steel Service & Supply, 514 National Bldg., Seattle 4. (See adv., p. 66.)

ALLEN-BRADLEY CO., 136 W. Greenfield Ave., Milwaukee, Wis. —Campbell & George, 379 Brannan St., San Francisco; H. D. Easterbrook, 1264 S. Boyle Ave., Los Angeles 23; Young Electric Mfg. & Supply Co., 2134 Curtis St., Denver; C. E. Klaus, 1004 S.E. Belmont, Portland 14; Muth-Richards Co., 2605 Western Ave., Seattle 1; James A. Setchell, 301 West G St., San Diego, Calif.

ALLEN & OLSEN MFG. CO., 4230 Del Rey Ave., Venice, Calif. —The Chas. Meier Co., 1473 Harrison St., San Francisco; E. J. Baughman Co., 350 So. Central Ave., Los Angeles.

ALLEN VENTILATOR DIV., 704 Woodward, Rochester, Mich. (See under Production Planning Co.)

ALLIANCE MFG. CO., Lake Park Blvd., Alliance, Ohio—George D. Norris, 3010 First Ave., Seattle; John Tubergen Company, 2232 W. 11th St., Los Angeles; George Sheffield Co., P. O. Box 1587, Phoenix; Wm. O. Conner 1596 Eudora, Denver; E. L. Berman Co., 758 Natoma St., San Francisco 3.

ALLIED CONTROL COMPANY, INC., 2 East End Ave., New York City—Douglas H. Loukota, 1052 West 6th St., Los Angeles; James J. Backer, 2321 Second Ave., Seattle; Wm. J. Purdy Co., 70 Ninth St., San Francisco.

ALLIED ELECTRICAL MFG. CORP. (See John W. Miller & Associates, Inc.)

ALLIED ELECTRIC PRODUCTS, INC., 68-98 Coit St., Irvington 11, N. J.—Branch Office: Harry Martin, Branch Mgr., 1755 Glendale Blvd., Los Angeles. Agents: E. L. Berman Co., 1355 Market St., San Francisco; George D. Norris Co., 3010 First Ave., Seattle; Allen B. Carpenter Co., 820 Twelfth St., Denver 4.

ALLIS-CHALMERS MFG. CO., 1126 So. 70th St., Milwaukee, Wis. — Branch Offices: A. J. Schmitz, Manager Pacific Region, 650 Harrison St., San Francisco; James A. Longley, Manager, 650 Harrison St., San Francisco; R. D. Moody, Mgr., 417 So. Hill St., Los Angeles; W. J. Myers, rep., 747 Ninth Ave., San Diego; U. E. Sandelin, Manager, 920 S. W. 6th Ave., Portland; S. C. Bacon, Mgr., 1318 4th Ave., Seattle; B. A. Seare, Manager, 134 So. Main, Salt Lake City; W. D. Nesbeitt, Mgr., West, 428 Riverside, Spokane; W. C. Kinnon, 45 W. Jefferson, Phoenix; J. E. Despins, corner Oregon & Mills Sts., El Paso; J. L. Pratt, Manager Southwest Region, 1800 No. Market St., Dallas. See ads inside front cover and page 1.

ALLIS CO., LOUIS, 427 E. Stewart St., Milwaukee, Wis.—The Louis Allis Co., 65 Ninth St., San Francisco; J. B. Colesworthy, 1709 W. 8th St., Los Angeles; Caskey Engineering Co., 1736 First Ave. So., Seattle; Chas. E. Klaus, 1004 S.E. Belmont St. Portland.

ALL-STEEL EQUIPMENT, INC., Griffith Ave., Aurora, Ill.—Robert R. Prussia, 224 Harriet St., San Francisco 3; The Sanderlin Co., 129 First Ave. W., Seattle 99; Kenneth B. Schumann Co., 814 Twelfth St., Denver 4; The Jim Randall Co., 1330 N. Industrial, Dallas.

ALPHA METALS, INC. P.O. Box 34, Bergen Station, Jersey City 4, N. J.—E. L. Berman Co., 758 Natoma St., San Francisco.

ALPHA WIRE CORP., 430 Broadway, New York City—Perlmuth-Colman & Associates, 1335 So. Flower St., Los Angeles 15, and 420 Market St., San Francisco; George D. Norris Co., 3010 First Ave., Seattle 1; Dick Hyde, 3879 Tennyson St., Denver.

ALTON MFG. CO., 1112 Ross Ave., Dallas, Tex.—George Hatch Co., 4169 Verdugo Road, Los Angeles.

ALTORFER BROS. COMPANY, 812 W. Washington St., Peoria, Ill.—Branch Offices: E. P. Becker, Div. Mgr., 1127 Wilshire Blvd., Los Angeles; F. D. Wallace, Dist. Mgr., 856 Adelaide Dr., Pasadena. Distributors: McCormack & Co., 450 9th St., San Francisco; Mountain States Distributors, 622 So. State, Salt Lake City; Appliance Wholesalers, Portland; Columbia Dist. Corp., Seattle; Albert Mathias & Co., El Paso; R. E. Harris, Inc., San Diego; Herbert H. Horn, Inc., Los Angeles; Boyd Distributing Co. Inc., 20 W. 13th Ave., Denver.

ALUMINUM COMPANY OF AMERICA, 801 Gulf Bldg., Pittsburgh, Penna.—Branch Offices: Howard W. Flye, District Manager, 615 Russ Bldg., San Francisco 4; C. R. Boyle, Dist. Mgr., 108 West 6th St., Los Angeles 14; J. C. Smith, Dist. Mgr., 1411 Fourth Ave. Bldg., Seattle; F. S. Smith, P.O. Box 120, Vancouver, Wash.

ALUMINUM GOODS MFG. CO., Washington St., Manitowoc, Wis. —Branch Office: M. C. Hermann, Mgr., 125 King St., San Francisco 7; N. A. Frasch, 820 O'Farrell St., San Francisco; C. F. Beste, 11473 Riverwood Road, Portland 1; R. W. Wick, 882 W. Palm St., Altadena, Calif.; F. J. Bennett, 1626 Logan St., Denver 5.

ALUMINUM INDUSTRIES, INC., 2438 Beekman St., Cincinnati 25, Ohio—C. B. Wall, 190 Hernandez St., San Francisco 16; J. C. Fallor, 422 E. Chevy Chase Dr., Glendale 5, Calif., W. M. Friel, 7919H East 10th St., Vancouver, Wash.; Northwest Factory Agents, 205 Lenora St., Seattle 1.

ALVORD-POLK TOOL CO., 125 Gearhart St., Millersburgh, Penna. —The Hubbard Co., 4809 East 49th St., Los Angeles 58.

AMANA REFRIGERATION, INC., Amana, Iowa — Regional Sales Manager, J. J. Pollon, 12238 Cantura St., North Hollywood, Calif. Sold thru electrical wholesalers all principal cities.

AMERICAN AIR FILTER COMPANY, 215 Central Ave., Louisville, Ky.—Branch offices: 6175 York Blvd., Los Angeles and 225 Bush St., San Francisco; English & Lauer, Inc., 1978 So. Los Angeles St., Los Angeles, Harry H. Herman, 1228 California St., Denver; Richards-Conant, 2415—15th St., Denver; Boyd Engineering Co., Inc., in following cities: 718 No. Stanton St., El Paso; 112 W. Granite Ave., Albuquerque; 1600 W. Jefferson, Phoenix; R. E. Chase Co., in the following cities: 2332 E. 11th St., Tacoma; 907 Terminal Sales Bldg., Portland; 414 Times Square Bldg., Seattle, and 501 Hyde Bldg., Spokane.

AMERICAN BLOWER CORP., 8111 Tireman Ave., Dearborn, Mich.—West Coast Plant, 1900 West Ave. 132, San Leandro, Calif. Branch Offices: 625 Market St., San Francisco 5; 816 W. Fifth St., Los Angeles 17; 7th Floor Bus Terminal Bldg., Denver 2; R. D. Morse, 1305 Republican St., Seattle 9; W. S. Turner & Co., Pacific Bldg., Portland 4; Williams, Gritton & Wilde, 204 Dooly Bldg., Salt Lake City 1; Boyd Engineering Co., Inc., 112 W. Granite Ave., Albuquerque; 1600 W. Jefferson, Phoenix; 718 N. Stanton St., El Paso.

AMERICAN BRASS CO., American Metal Hose Branch—698 South Main St., Waterbury 20, Conn.—F. Somers Peterson Co., 524 Folsom St., San Francisco 5, and 413 East 12th St., Los Angeles 15; Hendrie & Bolthoff Co., 1635 17th St., Denver 2; Metals Supply Co., 121 Motor Ave., Salt Lake City; Graybar Electric Co., Inc., and Westinghouse Elec. Supply, all principal cities.

AMERICAN ELECTRIC CABLE CO., 181 Appleton St., Holyoke, Mass.—American Industrial Sales Co., 2104 N. E. 13th St., Portland, Ore.; Albert Jayne, 5403 McComas St., Dallas, Tex.

AMERICAN ELECTRIC SWITCH CORP., Minerva, O.—Northwestern Agencies, 4130 First Ave., South, Seattle.

AMERICAN ELECTRICAL HEATER CO., 6110 Cass Ave., Detroit, Mich.—John A. Thompson, 2024 Ridgeview Ave., Los Angeles 41.

AMERICAN FLEXIBLE CONDUIT CO., 31 Scott St., New Bedford, Mass.—Henger - Seltzer, 230 So. Hewitt St., Los Angeles.

AMERICAN FLEXIBLE COUPLING CO. (Sales office under ZURN WESTERN SERVICES INC.) Erie, Pa.—Branch offices: W. G. Ballantyne West Coast supervisor, 1215 N. W. Everett St., Portland; Charles A. Fowler Co., 889 Bryant St., San Francisco; Newton R. Crum, 181 La Verne Ave., Long Beach; Sam F. Patterson, 1717 West Austin St., Seattle; Andrew T. Lobel, 1700 Fifteenth St., Denver; H. H. Kumler Company, 2419 South Blvd., Houston.

AMERICAN-FORT PITT SPRING DIV., H. K. Porter Co., Inc., 2 Johns St., (McKees Rocks) Pittsburgh, Penna. — Branch Offices: George E. Swett, 256 Mission St., and c/o Gil Moore & Co., 714 W. Olympic Blvd., Los Angeles,; C. M. Lovsted & Co., 4000 W. Marginal Way, Seattle; R. Taylor, 1077 So. Main St., Salt Lake City.

AMERICAN LAVA CORP., Cherokee Bvld. and Mfgr.'s Road, Chattanooga, Tenn.—Electrical Material Co., Room 345, 232 So. Hill St., Los Angeles 12; John A. Green Co., 6815 Oriole Dr., Dallas.

AMERICAN LIGHTING EQUIPMENT CO., 713 N. Highland St., Los Angeles, Calif.—Sold thru all electrical dealers.

AMERICAN METAL HOSE — See American Brass Co.

AMERICAN METAL MOULDING CO., 146 Coit St., Irvington, N. J. —O. W. Coombs Co., 1326 So. Olive St., Los Angeles, and 21 So. Park, San Francisco; A. S. Knight Co., 3006 Western Ave., Seattle; L. D. Hood Sales Agency, P.O. Box 7651, Lakewood, Colo.

AMERICAN METAL PRODUCTS CO., 4901 Marsalis Ave., Fort Worth, Texas—A. C. Patterson, 1315 East Seventh St., Los Angeles 21.

AMERICAN MICROPHONE CO., 370 S. Fair Oaks Ave., Pasadena 1, Calif.—Neely Enterprises, 7422 Melrose Ave., Hollywood 45; W. H. Connor, 1590 Eudora St., Denver; Burt C. Porter Co., 4310 Roosevelt Way, Seattle 5.

AMERICAN PHENOLIC CORP., 1830 So. 54th Ave., Chicago 50, Ill.—James P. Hermans, 1234 Folsom St., San Francisco 3; Marshank Sales Co., 672 So. Lafayette Park Place, Los Angeles 5; Ronald G. Bowen, 852 Broadway, Denver 3, Don H. Burcham Co., 917 So. West Oak St., Portland 5.

AMERICAN RELAY & CONTROLS, INC., 4901 W. Flournoy St., Chicago 44, Ill.—Herb Becker, 1406 S. Grand Ave., Los Angeles; H. George Shefler Co., 240 S. First Ave., Phoenix.

AMERICAN STEEL & WIRE DIV., U. S. Steel Co., 822 Rockefeller Bldg., Cleveland, Ohio—Columbia Geneva Steel Div. U.S. Steel Co., in following cities: Russ Bldg., San Francisco; 2087 E. Slauson Ave., Los Angeles; 2345 N.W. Nicolai St., Portland; 1331 Third Ave. Bldg., Seattle; Walker Bank Bldg., Salt Lake City 1.

AMERICAN STRUCTURAL PRODUCTS—(See Hemingray.)

AMERLINE, INC., 1644 No. Honore St., Chicago, Ill.—Beacon Sales Company, Merchandise Mart, Seattle 1.

AMPERITE CO., INC., 561 Broadway, New York City.—D. C. Wallace, 1206 Maple Ave., Los Angeles; J. E. Smith, 505 No. Ervay St., Dallas.

AMPEREX ELECTRONIC CORP., 25 Washington St., New York City—Conrad R. Strassner, 1865 N. Western Ave., Los Angeles; Ron Merritt, 217 9th Ave. North, Seattle; John A. Green Co., 6815 Oriole Dr., Dallas; Allen I. Williams, 1009 17th St., Denver.

AMPEX ELECTRIC CORP., 934 Charter St., Redwood City, Calif. Graybar Electric Co., Inc., all principal cities. B. Crosby Enterprises, Inc., 9030 Sunset Blvd., Hollywood; G. M. Popkey Co., Inc., 1201 Howard St., San Francisco.

AMPLEX CORP., 111 Water St., Brooklyn, N. Y.—Ray J. Noel, 3301 Trinity St., Los Angeles.

ANACONDA WIRE & CABLE CO., 25 Broadway, New York City—Branch Offices: E. A. Casey, Western Div. Mgr., 111 Sutter Bldg., San Francisco 4, and R. L. Hayward, Dist., Mgr., 111 Sutter Bldg., San Francisco 4; J. L. Tindale, District Mgr., 807 Architects Bldg., Los Angeles 17; L. M. Wolfe, District Mgr., 956 Stuart Bldg., Seattle 1; A. W. Tracy, Dist. Mgr., Railway Exchange Bldg., Denver 2.

ANCHOR MANUFACTURING CO., 30 Huntington Ave., Boston, Mass.—Robert R. Prussia, 224 Harriet St., San Francisco 3; The Agencies Co., 125 So. Santa Fe, Los Angeles; Muth-Richards Co., 2605 Western Ave., Seattle 1; Chas. E. Klaus, 1004 S. E. Belmont, Portland; L. S. Reed & Co., 1018 Lawrence St., Denver; A. J. Elggren & Son Co., 428 South West Temple, Salt Lake City. J. E. Rogers, 102 Thomas Bldg., Dallas.

THE TWO E·M·T FITTINGS

THAT ARE EASIER TO USE— SAVE MONEY TOO!

Cross Section Showing Indentations.

Easier to use and neater in appearance, Briegel All-Steel Indenter Fittings not only make stronger connections but also make each job more profitable. Contractors the world over recognize their cost cutting qualities and the fact that they make each wiring job a better job. It is only natural that Briegel Fittings are the most widely used E.M.T. connectors and couplings.

UL

BM

BRIEGEL METHOD TOOL CO.

GALVA, • ILLINOIS

Distributed by

The M. B. Austin Co., Northbrook, Ill.; Clayton Mark & Co., Evanston, Ill.; Clifton Conduit Co., Jersey City, N. J.; General Electric Co., Bridgeport Conn.; The Steelduct Co., Youngstown, Ohio; Enameled Metals, Pittsburgh, Penn.; Wagner Malleable Products Co., Decatur, Ill.; Kandu Mfg. Co., Ltd., Preston, Ont.

ANCHOR WEBBING CO., Pawtucket, R. I.—Western Fiberglas Supply, Ltd., 739 Bryant St., San Francisco, and 937 So. Grand Ave., Los Angeles.

ANDALE COMPANY, 1604 Arch St., Philadelphia, Penna.—Oliver B. Lyman, 55 New Montgomery St., San Francisco.

ANDERSON MFG. COMPANY, Albert & J. M., 289 A St., Boston, Mass.—Industrial Eng. & Equip. Co., 417 So. Hill, Los Angeles; North Pacific Electric Agencies, 615 Lloyd Bldg. Seattle.

ANDERSON BRASS WORKS, INC., 700 44th St. North, Birmingham, Ala.—Waltham, DeWitt & Krusi, 632 Monadnock Bldg., San Francisco; Industrial Eng. & Equipment Co., 417 So. Hill, Los Angeles; D. H. Laudin Co., 1127 E. Northlake, Seattle 5.

ANGELL MANUFACTURING CO., 1070 E. Monument Ave., Dayton 1, Ohio—Walter W. Cribbins Co., 557 Howard St., San Francisco 5; Mervyn D. Silbersten Co., 2375 N. Point, San Francisco 23; A. R. Dankworth, Inc., 1414 Seventh St., Los Angeles 14.

ANSONIA ELECTRICAL CO., 63 Main St., Ansonia, Conn.—J. T. Hill Sales Co., 800 West 11th St., Los Angeles; Malcolm C. Jafferies, c/o Electrical Communications, 765 Clementina St., San Francisco.

APEX ROTAREX CORP., 1070 E. 52nd St., Cleveland, Ohio—Branch Office: Western Div. Mgr., L. D. Stull, 1355 Market St., San Francisco. Sold thru leading Elec'l. Distributors all principal cities.

APPLEMAN ART GLASS WORKS, Bergenfield, New Jersey—H. N. Lindsey, 1261 W. 56th St., Los Angeles 37; Joe Blonder, 2617 N.E. 14th Ave., Portland 12; J. H. Nicodemus, 230 So. 4th West St., Salt Lake City, 1.

APPLETON ELECTRIC COMPANY, 1701 W. Wellington, Chicago, Ill.—Branch Offices: Lewis Ames, 655 Minna St., San Francisco 1; E. V. Aldridge and Wm. A. Munday, 100 N. Santa Fe Ave., Los Angeles 12; R. J. Lidgate, 115 Ray St., Seattle 9; Leo N. Kepler, 4804 N.E. 103rd Ave., Portland 20; J. O. Bell, Jr., Room 717 M & M Bldg., Houston 2, Texas.

APPLETON RUBBER COMPANY, 57 Cornwall St., Boston 30, Mass.—Robert R. Prussia Co., 224-226 Harriet St., San Francisco; George Kraft Co., 1501 N. W. Kearney St., Portland.

APPLIANCE MFG. CO., Alliance, Ohio— W. H. Connors Co., 1590 Eudora St., Denver; John S. Cate, 242 So. Robertson Blvd., Beverly Hills, Calif.; Ted Kohbervig, c/o Palace Dept. Store, Main Ave. & Post Sts., Spokane; Savage & Son, Inc., 11th and Wazee St., Denver; Flint Dist. Co., 316 W. Second So., Salt Lake City, Utah, Taylor Dist. Co., 4148 First Ave. So., Billings, Mont.

ARCOS CORPORATION, 1500 S. 50th St., Philadelphia, Penna.—Branch Office: B. E. David, Mgr., 123 Santa Fe Ave., Los Angeles 12. Arizona Wldg. Equip. Co., 415 S. 7th St., Phoenix, and 819 East Broadway, Tucson; J. E. Haseltine Co., 115 S.W. Second Ave., Portland; 510 First Ave. S., Seattle, and N. 1101 Division St., Spokane; Industrial Supply Co., 1647 N. Second St., Albuquerque.

ARK-LES SWITCH CORP., 51 Water St., Watertown, Mass.—Montgomery Brothers in following cities: 1122 Howard St., San Francisco; 2113 So. San Pedro, Los Angeles; 1104 N.W. 15th St., Portland, and 911 Western Ave., Seattle 4.

ARMCO DRAINAGE & METAL PRODUCTS, INC., 7th and Parker Sts., Berkeley, and 6155 So. Malt Ave., Los Angeles.

ARMATURE COIL EQUIPMENT, INC., 2605 Vega Ave., Cleveland, O.—Insulation and Wires, Inc., 2 Moss St., San Francisco; 2240 E. Washington Blvd., Los Angeles; 1702 N.E. Sandy Blvd., Portland; Marwood Limited, 357 Ninth St., San Francisco.

ARMSTRONG-BRIDGEPORT DIV., The Capewell Mfg. Co., 303 Knowlton St., Bridgeport, Conn.—Milton E. Clarke, 360 E. Palm St., Altadena, Calif.

ARMSTRONG PRODUCTS CORP., P.O. Box 940, Huntington, West Va.—E. R. Palmtag Co., 1355 Market St., San Francisco, and 164 S. Central Ave., Los Angeles; J. M. Cavanaugh, 1132 N.W. Glisan St., Portland; Chas. M. Dillon, 2304 Grape St., Denver.

ARRO EXPANSION BOLT CO., No. Boone Ave., Marion, Ohio—Howard Burt & Sons, 780 Bryant St., San Francisco; M. E. Canfield Co., 419 E. Third St., Los Angeles 13; Regional Sales Co., 4321 Dover, Denver; Tom G. Blunden, 1502 Olive Way, Seattle.

ARROW CONDUIT & FITTINGS CORP., 129 30th St., Brooklyn 32, N. Y.—J. Wallach, 3127 West 11th St., Los Angeles.

ARROW-HART & HEGEMAN ELECTRIC CO., 103 Hawthorn St., Hartford, Conn.—Branch Offices: 405 E. 3rd St., Los Angeles, and 1345 Howard St., San Francisco.

ARROW LAMP MFG. CO., INC., 22 W. 19th St., New York City, N. Y.—Perry Oppenheimer, 6357 Colgate Ave., Los Angeles 48.

ARTCRAFT FLUORESCENT CORP., 248 McKibbin St., Brooklyn 6, N. Y.—James Mundstock, 320 Market St., San Francisco 11; Gruen Lighting Co., 8336 W. 3rd St., Los Angeles 35; M. Levin Co., 2438 S.W. 4th Ave., Portland —for Oregon.

ARTISAN PRODUCTS, INC., 3490 W. 140th St., Cleveland 11, Ohio (Now Stahl Metal Products Inc.)

ARTISTIC LAMP MFG. CO., INC., 395 Fourth Ave., New York City 16—Irving N. Gabriel, 2620 Moraga, San Francisco 22.

ART METAL CO., 1814 E. 40th St., Cleveland 4, Ohio—W. H. Fuller, Jr., 1038 Palm Ave., Whittier, Calif.; W. G. Gordon, 2216 1st Ave., Seattle 1; Don Steinkamp, 1375 Pearl St., Denver 3.

ART SPECIALTY CO., 3245 Lake St., Chicago, Ill.—Sales Associates, 1111½ S. La Cienega, Los Angeles; State Elec. Supply, 241 10 Street, Oakland; S. F. Lighting Co., San Francisco.

ARVIN INDUSTRIES, INC., Columbus, Indiana—Earle Rogers (Electric Housewares), 2956 Linden Ave., Berkeley, Calif.; James Hofer (Radio & TV), 16648 Addison St., Encino, Calif.

ASHEVILLE - SCHOONMAKER MICA CO., 900 Jefferson Ave., Newport News, Va. — Marwood Limited (in following cities), 357 Ninth St., San Francisco; 320 East Third St., Los Angeles; 1714 First Ave. So., Seattle 4; 209 South West First Ave., Portland.

ASSOCIATED LIGHTING SERVICE, 488 Bryant St., San Francisco, Calif. — Darger Co., 328 West 2nd So., Salt Lake City; Northern School Supply Co., 1505 N.W. Lovejoy St., Portland 9; Otto K. Olesen Co., 1534 Cahuenga Blvd., Hollywood 28, (Theatrical), M. J. Rudman, 1206 Long Beach Ave., Los Angeles 21, (Architectural).

ASSOCIATED MFGRS. CO., 60 Federal St., San Francisco, Calif.

ASSOCIATED PRODUCTS, INC., 20 S. Ontario St., Toledo, Ohio—A. B. Murphy Co., 228 Ninth St., San Francisco; R. E. McDonough, 1911 Argyle St., Butte Mont.; Intermountain Sales Co., 1863 Wazee St., Denver 2; Le Mar Piper, 420 Market St., Tilden Sales Bldg., San Francisco.

ASSOCIATED PROJECTS CO., INC., 157 Marconi Blvd., Columbus, Ohio—C. C. Bryant, 2424½ Cleveland Ave., Montebello, Calif.

ASSOCIATED RESEARCH, INC., 3758 W. Belmont Ave., Chicago 18, Ill.—A. A. Barbera & Co., 311 N. Martel Ave., Los Angeles 36; George L. Hoffman, 3007 S.W. Nebraska St., Portland 19; Krippner & Polley, 1166 Elati St., Denver 4; W. J. Kantenberger Co., 711 Reverchon Ave., Dallas 11 and 2001 Rosewood Ave., Houston; T. R. Routh Co., 742 Market St., San Francisco 2

ASTATIC CORP., 250 Harbor St., Conneaut, Ohio—Harry A. Lasure, 2216 West 11th St., Los Angeles; Wm. J. Purdy Co., 79 Ninth St., San Francisco; Dale G. Weber, 234 Sherlock Bldg., Portland; Ronald G. Bowen, 852 Broadway, Denver 3; J. Y. Schoonmaker, 2011 Cedar Springs, Dallas 1.

ATC COMPANY, 18 W. Chelten Ave., Philadelphia 44, Penna.—Pacific Scientific Co., 25 Stillman St., San Francisco, and 1430 Grande Vista Ave., Los Angeles.

ATLAS BRASS FOUNDRY, 1901 Santa Fe Ave., Los Angeles 21, Calif. — Bearing Specialty Co., 2505 Broadway, Oakland, 790 Brannan St., San Francisco, and 2314 J St., Sacramento; Industrial Specialties Co., 940 S. E. 7th Ave., Portland; Tinling & Powell, Inc., W. 27 Main St., Spokane; Colorado Ind. Supply Co., 1620 Wazee St., Denver; Smith Machine Co., 211 S. Kansas St., El Paso; Jos. T. Ryerson & Son, Inc., 1200 4th Ave., So. Seattle; Motor Winders Supply Co., 334 W. Jefferson St., Phoenix.

ATLAS ELECTRIC DEVICES CO., 361 W. Superior St., Chicago, Ill. —L. H. Butcher Co., in following cities—15th and Vermont St., San Francisco; 3628 E. Olympic Blvd., Los Angeles; 1504 N.W. Johnson St., Portland, and 1703 Sixth Ave. So., Seattle.

ATLAS SAFETY EQUIPMENT CO., INC., 27 Warren St., New York City 7—Western Fire Equip. Co., 69 Main St., San Francisco; Hughey & Phillips, 326 N. La Cienega Blvd., Los Angeles; J. J. Lawton, 2517 11th Ave., Los Angeles 18.

ATWOOD & MORRILL CO., 48 Loring Ave., Salem, Mass.—Oliver B. Lyman Co., 55 New Montgomery St., San Francisco 5; A. W. Anderson, 164 So. Central Ave., Los Angeles; Ray Smythe, 501 Park Bldg., Portland.

AULD CO., D. L., 5th Ave. and 5th St., Columbus, Ohio—North American Supply Co., 5670 Wilshire Blvd., Los Angeles.

AUSTIN COMPANY, The M. B., 1405 Shermer Ave., Northbrook, Ill.—Ernest F. Hauck Co., 383 Brannan St., San Francisco; James H. Blinn Co., 1140 Speer Blvd., Denver; J. G. Pomeroy Co., 1004 East 4th St., Los Angeles; W. W. Wheat & Associates, 560 First Ave. South, Seattle; G. B. Valkus, 1711 Kelly Ave., Dallas.

AUTH ELECTRIC COMPANY, INC., 34-20 45th St., Long Island City 1, N. Y.—Robert R. Prussia Co., 224 Harriet St., San Francisco; Agencies Company, 125 So. Santa Fe, Los Angeles 12; Shaffer & Nelson, 312 Occidental Ave., Seattle, and 1215 N.W. Everett St., Portland; Everett T. Vonier Co., 1160 Elati St., Denver; H. R. Onarecker Co., 2518 Times Blvd., Houston; The Darger Co., 328 W. 2nd South, Salt Lake City.

AUTOMATIC BURNER CORP., 1823 Carroll Ave., Chicago, Ill.—Howard A. Weller, 1238 N.W. Glisan, Portland.

AUTOMATIC CONTROL CO., 1005 University Ave., St. Paul, Minn. —Campbell & George, 379 Brannan St., San Francisco; Hundley Co., 1174 Cherry St., Glendale, Calif.; R. E. LeRiche, 422 Smith Tower, Seattle; C. A. D. Young, 726 Colorado Bldg., Denver; E. T. Ryan, Title and Trust Bldg., Phoenix; Wetzel Equipment, 375 S.W. Temple, Salt Lake City.

AUTOMATIC CONTROLS CORP., Ann Arbor, Mich.—Arizona Hardware, Phoenix; De-Frost Automatic Distributors, Bank of America Bldg., San Diego; W. B. Stowers, 2507 Pacific Ave., Dallas; Sonomarin Corp., 101 Santa Rosa Ave., Santa Rosa, Calif.

AUTOMATIC DEVICES, INC., 1260 Hodiamont Ave., St. Louis 12, Mo. — Fred D. Benz Co., 444 Brannan St., San Francisco.

AUTOMATIC DEVICES CO., 116 N. 8th St., Allentown, Penna.—B. F. Shearer, 243 Golden Gate Ave., San Francisco; 1964 So. Vermont Ave., Los Angeles; 2318 Second Ave., Seattle and 1947 N. W. Kearney St., Portland; Service Theatre Supply Co., 256 E. First South St., Salt Lake City; Graham Bros., 546 Lincoln St., Denver.

AUTOMATIC ELECTRIC SALES CORP., 1033 West Van Buren St., Chicago, Ill. — Branch Offices: Automatic Electric Sales, 3626-28 11th Ave., Los Angeles 18; 55 New Montgomery St., San Francisco 5; 644 Central Bldg., Seattle.

AUTOMATIC ELECTRIC MFG. CO., 10 State St., Mankato, Minn. —R. B. Clapp Co., 314 Omar Ave., Los Angeles 13; The Ballard Co., 407 Sansome St., San Francisco; Dooley-Way Sales Co., 1001 Westlake Ave. No., Seattle; The Sales Company, 1624 No. First St., Albuquerque.

AUTOMATIC ELECTRIC HEATER CO., 860 Cross St., Pottstown, Penna.—(See Sepco Corp.)

AUTOMATIC ELECTRICAL DEVICES CO., 2409 Colerain Ave., Cincinnati, Ohio—Charles Caban, Jr., 858 Garey Ave., North, Pomona, Calif.

AUTOMATIC RADIO MFG. CO., INC., 122 Brookline St., Boston, Mass.—Herbert Sierk, 2705 Canton St., Dallas; Perlmuth Colman & Associates, 1335 So. Flower St., Los Angeles, and 420 Market St., San Francisco.

AUTOMATIC SWITCH COMPANY, 391 Lakeside Ave., Orange, N. J. F. W. Carlson, 2207 Fifth Ave., Seattle, and 518 N.W. Park Ave., Portland; Paul S. Everley Co., 1063 Howard., San Francisco; Associated Sales Engineers, 923 E. 3rd St., Los Angeles; Glidden Eng. & Equipment Co., 3802 Winchester St., Houston; Clyde P. Elliott, 3020 So. Cherry St., Denver.

AUTOMATIC TEMPERATURE CONTROL CO., INC., 5200 Pulaski Ave., Philadelphia, Pa.—Pacific Scientific Co., 25 Stillman St., San Francisco; 1430 Grande Vista Ave., Los Angeles; 1915 1st Ave., Seattle 4.

AUTOMATIC WASHER CO., 823 W. 3rd St., N. Newton, Iowa—Schwabacher Hdwe. Co., P. O. Box 3088, Seattle 14, Wash.; Arizona Mercantile Co., Central Ave. and Jackson, Phoenix; Northwestern Auto Supply, 422 N. Broadway, Billings; Western Supply Co., 357 W. 2nd St., Salt Lake City; Les Taufenbach, 816 W. 5th, Los Angeles, and 1355 Market St., San Francisco; C. R. Bower, 3370 West 38th Ave., Denver; Boyd Dist. Co. Inc., 306 E. Lead St., Albuquerque and 2209 Mill St., El Paso; Century Dist. Co., 308 8th Ave. San Diego and 1111 Front St., San Francisco; Gough Industries, Inc., 819 E. 1st St., Los Angeles; Schafer-Wright, Inc., 1233 N.W. 12th Ave., Portland; Goggans & Pennie, 514 Central Ave., Great Falls, Mont.

B/W CONTROLLER CORP., 2200 East Maple, Birmingham, Mich.—Geraty Eng. Specialties, 380 Colusa Ave., Berkeley 7, Calif.; Charles E. Klaus, 1004 S.E. Belmont, Portland.

BAIER & ACKERMAN, Inc., 9 E. 40th St., New York 16, N. Y.—John Tubergen, 2232 W. 11th St., Los Angeles.

BAILEY METER CO., 1050 Ivanhoe Rd., Cleveland, Ohio—Branch Offices: V. A. Rumble, 424 Sharon Bldg., San Francisco; L. F. Richardson, 1705 W. 8th St., Los Angeles; G. M. Wallace, 1506 Kearney St., Denver; K. E. Atwood, 217 Ninth Ave., Seattle; C. M. Kunkel, 2480 Times Blvd, Houston.

BAKELITE DIV., Union Carbide Carbon Co., 30 East 42nd St., New York City 17—Branch Office, 22 Battery St. (Mr. J. R. Akers, Mgr.), San Francisco, and 1709 West 8th St., Los Angeles.

BAKER BARKON COMPANY, 1335 S. W. Morrison St., Portland, Ore.; R. E. Baum, Monadnock Bldg., San Francisco.

BAKER-RAULANG CO., 1250 West 80th St., Cleveland, Ohio—Elder & Co., 390 7th St., San Francisco; W. T. Billard, Inc., 734 E. Third Ave., Los Angeles; Oregon Handling Equipment Co., 523 N. W. Glisan St., Portland; Riter Engineering Co., Kearns Bldg., Salt Lake City; J. B. Ambler, 602 Denver National Bldg., Denver; Dillon Scale & Equipment in the following cities: 3907 Elm St., Dallas, 5214 Harrisburg Blvd., Houston, and 3018 Bledsoe, Fort Worth; Harry L. McElhaney, 1743 First Ave. South, Seattle.

BALDOR ELECTRIC CO., 4351 Duncan Ave., St. Louis, Mo.—E. P. Denham Co., 536 Polk St., San Francisco; E. P. Forcham Co., 1206 So. Maple Ave., Los Angeles; Dan J. Sweeney Co., 1119 Pike St., Seattle 2; H. C. Miller, 4546 Northeast Alberta, Portland; H. George Sheffer Co., P.O. Box 1587, Phoenix; Austin Co., 5906 Bellaham dr., Albuquerque; Hirsig-Frazier, 4333 Belmont Ave., Dallas.

BARBER-COLMAN CO., Loomis St., Rockford, Ill.—Branch Offices: 6181 No. Figueroa, Los Angeles 42; R. A. Parker Company, 250 7th St., San Francisco 18; Merrill N. Musgrave & Co., 2919 Third Ave., Seattle 1; Reynold Meussdorffer, (Motors only) 1315 E. 7th St., Los Angeles.

BARBER-GREENE CO., 631 West Park Ave., Aurora, Ill.—Branch Office; 318 South "B" St., San Mateo, Calif., (E. L. Benson, Area Sales Mgr.) San Francisco. Sold thru leading distributors, all leading cities.

BARCO MFG. CO., 1801 W. Winnemac Ave., Chicago 40, Ill.—Crane Company, San Francisco, Los Angeles, Seattle, Portland, Spokane and Tacoma. The Fornaciari Co., Los Angeles.

BARCALO MFG. CO., 225 Louisiana St., Buffalo, N. Y.—George Peters, 1709 W. 8th St., Los Angeles, Calif.; Henry Kenkel, 439 Ellis St., San Francisco; J. Frank Ewing, 3706 S.W. Marquam Hill Rd., Portland; Don Smith, Rear 729 Broadway, Denver.

BARDCO MFG. & SALES CO., 2450 E. 23rd St., Los Angeles.

BARKELEW ELECTRIC MFG. CO., 1905 Columbia Ave., Middletown, Ohio — Electrical Specialty Co., in following cities: 316 11th St., San Francisco; 2406 First Ave., Seattle; and 1015 21st St., Denver. Angus-Campbell, Inc., 449 So. San Pedro St., Los Angeles 13.

BARKSDALE VALVES, 1566 E. Slauson Ave., Los Angeles 11, Calif.—Ralph B. Lundy, 1063 Howard St., San Francisco.

BARLOW & SEELIG MFG. CO., Ripon, Wis.—(See Speed Queen.)

BARRY CORP., 700 Pleasant St., Watertown, Mass.— E. V. Roberts & Associates, 5068 W. Washington Blvd., Los Angeles, and 988 Market St., San Francisco; Ron Merritt, 217 9th Ave., Seattle.

BARTLETT MANUFACTURING CO., 3003 E. Grand Blvd., Detroit, Mich. — Tree Trimming Equip., George E. Honn, 420 Market St., San Francisco; Bracken Sales Agency, 923 East Third St., Los Angeles; Metal Cutting Shears—Hughson & Merton, 1270 Bush St., San Francisco, 3209 Glendale Blvd., Los Angeles, Colman Bldg., Seattle, and 509 Beason Bldg., Salt Lake City. (See adv., page 7.)

THE BARTON CORPORATION, West Bend, Wis.—U. S. Grant Supply Co., 2900 East 11th St., Los Angeles; Zork Hardware Co., 115 San Francisco St., El Paso and 1414 North 12th St., Albuquerque; George S. Conley Co., 731 15th St., Denver.

BASHLIN COMPANY, W. M., Bashlin Bldg., Grove City, Penna.—Guardian Safety Equipment Co., 50 Hawthorne St., San Francisco and 6104 So. Main St., Los Angeles 3; Jack Pruzan Co., 109 Jackson St., Seattle 4; Sanderson Safety Supply Co., 1423 S. E. Hawthorne Blvd., Portland; Universal Safety & Fire Equip. Co., Inc., 727 So. West Temple, Salt Lake City; J. L. Matthews Line Men's Equip., 3717 McCart, Ft. Worth.

BASIC PRODUCTS CORP., 2222 W. Sample St., South Bend 22, Ind.—J. E. Shull, 330 So. Central Ave., Los Angeles.

BATAVIA METAL PRODUCTS CORP., 1150 Liberty St., Batavia, N. Y.—American Equipment & Body Co., 2315 East 4th St., Los Angeles; Nelson Truck Equip. Co., Inc., 128 Westlake No., Seattle; United Transportation Equip Co., 752 Chestnut St., Redwood City, Calif.

BAXTER CO., J. H., 200 Bush St., San Francisco 4, Calif.—Branch offices in Los Angeles, Calif. and Eugene, Ore.

BEALL PIPE & TANK CORPORATION, 1945 No. Columbia Blvd., Portland, Ore.

BEAVER PIPE TOOLS, INC., 310 Dana St., N.E., Warren Ohio—David Howe, 2578 West St., at 26th, Oakland 12, Calif.; Ted Obear, 6075 So. Normandie Ave., Los Angeles 44; Edward C. Lindeman, 3110 N. Fitzhugh St., Dallas 4.

BECKER BROTHERS CARBON CO., 3450 S. Laramie Ave., Cicero 50, Ill.—Electrical Specialty Co., 316 11th St., San Francisco; 418 E. Third St., Los Angeles; 2406 First Ave. So., Seattle 4 and 1015 21st St., Denver 2.

BEEDE ELECTRICAL INSTRUMENT CO., INC., W. Canal St., Penacook, N. H.—Rudy Ferda, 950 N. Highland Ave., Hollywood, Calif.; P. J. Burrill, 2131 Washington Ave., San Leandro, Calif.; Allen I. Williams, 1009 17th St., Denver 2.

BELDEN MFG. COMPANY, 4647 W Van Buren St., Chicago 44, Illinois — W. Kolans, 101 San Felipe Ave., South San Francisco, California; J. Reed, 13465 Margate, Van Nuys, California;

WALTHAM, DeWITT & KRUSI

MANUFACTURERS' REPRESENTATIVES

REPRESENTING ☆

W. N. MATTHEWS CORP.
Distribution Specialties

MALLEABLE IRON FITTINGS CO.
Thru Bolt Guying Fittings, Guy Clamps, Cross Arm Gains, etc.

ANDERSON BRASS WORKS
Tap Lugs, Ground Clamps, Aluminum Terminal Boxes, Bus Fittings bronze and aluminum, Aluminum Suspension and Dead Clamps, Aluminum parallel groove Clamps for aluminum to aluminum and aluminum to copper connections.

630-632 MONADNOCK BLDG.
SAN FRANCISCO 5
PHONE GARFIELD 1-5054

A COMPLETE and completely SAFE LINE OF INSULATED TREE TRIMMING EQUIPMENT!

LEFT—**No. 1-B Tree Trimmer** easily clips limbs up to 1¼". Patented Compound Lever **side cutting** head; Bakelite Insulator tested to 105,000 volts; Sitka Spruce treated handles.
RIGHT—**No. 44 Pole Saw** for trimming larger limbs. Adjustable 16" peg tooth blade, 7 teeth per inch, light in weight. Also with 12", 14" and 16" drag tooth blade.
BELOW—**No. 777 Two Hand Pruner** of drop forged tool steel with 26" handles. Provides handy rapid cutting. ALSO—**Bartlett Tree Paint** for preventing growth of wood, destroying fungi, and protecting wounds. Applies with ordinary paint brushes.

Used by More Than Three Hundred Leading Power Companies

SEND FOR CATALOG

BARTLETT
MANUFACTURING CO.
3053 East Grand Blvd.
Detroit 2, Michigan

Harold W. Hofman, (Dist. Mgr.) 2912 Via Campo, Montebello, Calif.; R. E. Greenwood, 1818 Lorene Ave., Whittier, Calif.; Marvin Hawkins, 9246 35th Ave., S.W., Seattle, Wash. Sold by Tri-State Supply Corp., 554 Bryant St., San Francisco, Calif.; 544 So. San Pedro, Los Angeles, Calif.; 318 Occidental Ave., Seattle, Wash.

BELL ELECTRIC COMPANY, 1844-50 W. 21st St., Chicago, Ill. —J. H. Kay, 4807 Beverly Blvd., Los Angeles; John Carder, Jr. Co., 1624 N. First, Albuquerque.

BELL SOUND SYSTEMS, INC., 555 Marion Road, Columbus, Ohio —J. P. Hermans Co., 1234 Folsom St., San Francisco; H. A. Lasure Co., 2216 W. 11th St., Los Angeles 6; Dale G. Weber, 234 Sherlock Bldg., Portland; Gordon G. Moss, 1530 13th Ave., Greeley, Colo.

BENBOW MANUFACTURING CO., 1285 Rollins Rd., Burlingame, Calif. —Millan-Stanley, 778 Natoma St., San Francisco; Schueler and Weston, 923 East Third St., Los Angeles 13; Equipment Supply Co., 16 Post Office Place, Salt Lake City 1.

BENDIX AVIATION CORP. (Bendix Television and Radio) Joppa Road, Baltimore 4, Md.—Kane Company, 1355 Market St., San Francisco; Mulhausen - Hannegan Co., 8132 W. 3rd St., Los Angeles; D. E. Lindsay Co., 1726 N.E. 64th Ave., Portland; Nelfran Co., 2013 So. Broadway, Denver 2; Martin and Triggs, 2923 Milan St., Houston.

BENDIX HOME APPLIANCES, INC., (Washer-Dryer) 3300 W. Sample St., South Bend, Ind.—Leo J. Meyberg Co., 33 Gough St., San Francisco and 2027 So. Figueroa St., Los Angeles; Harper-Meggee, Inc., in following cities: 1506 N.W. Irving, Portland; 960 Republican St., Seattle; 734 Division St., Spokane 8; Electrical Equipment Co., First Ave. at Madison, Phoenix; Flint Distributing Co., 316 W. 2nd South St., Salt Lake City; Taylor Distributing Co., 4148 First Ave., S., Billings, Mont.; Larson Dist. Co., 550 Lincoln St., Denver.

BENJAMIN REEL PRODUCTS, INC., 10700 Broadway, Cleveland 25, Ohio—Benjamin Reel Co., 4710 Crenshaw Blvd., Los Angeles 43; Colyear Motor Sales Co., in following cities: 1250 Van Ness Ave., San Francisco; 355 24th St., Oakland; 1323 S.Flower, Los Angeles; 230 W. B St., San Diego; 666 L St., Fresno; 1024 Bannock, Boise; 34 N.W. 8th St., Portland; 11th Ave. and East Pine, Seattle; W. 1026 Third Ave., Spokane.

BENJAMIN ELECTRIC MFG CO., DesPlaines, Ill.—Branch offices: C. O. Martin, Manager Pacific Coast Div., 829 Folsom St., San Francisco 7; G. A. Hochenauer and James Kersbergen, 923 East 3rd, Los Angeles 21; H. R. Huber, 3018 45th St., S.W., Seattle 6; L. M. Slusser, 318 Dooly Block, Salt Lake City 1; James H. Blinn Co., 1140 Spear Blvd., Denver 4; Ritsman Campbell, 340 E. Virginia Ave., Phoenix.

BENT GLASS WORKS, INC., 85-25 126th St., Richmond Hill, N. Y. —Weingart & Lustig, 1428 Channing St., Los Angeles.

BENTLEY - HARRIS MFG. CO., Conshohocken, Pa. — Western Fiberglas Supply Co., 739 Bryant St., San Francisco, and 937 So. Grand Ave., Los Angeles.

BERNS MANUFACTURING CORP., 2278 North Elston Ave., Chicago, Ill.—Frank H. Bran Co., 607 East Sixth St., Los Angeles 21; 444 Brannan St., San Francisco; J. R. Christensen Agency, 524 F St., Salt Lake City; M. Levin, 2438 S. W. Fourth Ave., Portland 4.

BETHLEHEM PACIFIC COAST STEEL CORP., 20th and Illinois, San Francisco, Calif.—M. C. Peterson, Sales Manager, Bethlehem Pac. Coast Steel, San Francisco; Branch offices: Los Angeles, Seattle, Portland and Honolulu.

BIDDLE CO., JAMES G., 1316 Arch St., Philadelphia, Pa.—General Electric Supply, Westinghouse Electric Supply and Graybar Electric Co., Inc., in all principal cities; Nourse Equipment Co., 1530 Wood St., Oakland 7.

BIGNALL & KEELER DIV., John Raming Machine Co., 4591 McRee Ave., St. Louis, Mo.—W. F. Obear & Son, 6075 So. Normandie, Los Angeles 44; Perine Machinery & Supply Co., 1921 First Ave., So., Seattle; Jenison Machinery Co., 20th and Tennessee Sts., San Francisco 7.

BINGHAMTON FLEXIBLE SHAFT DIV., SWARTZ & WHITE MFG. CO., 486 Chenango, Binghamton, New York—A. J. Giesener Co., 975 Bryant St., San Francisco; Hickinbotham Bros. Ltd., 536 S. Aurora St., Stockton, Calif; Pacific Hdwe. & Steel Co., Inc., 1344 The Alameda, San Jose, Calif.

BIRD ELECTRONIC CORP., 1800 East 38th St., Cleveland, Ohio—Neely Enterprises, in following cities: 2830 Geary Blvd., San Francisco; 7422 Melrose Blvd., Los Angeles 46; 107 So. Washington St., Albuquerque, N. M.; 309 Ochsner Bldg., Sacramento, Calif.; 32 W. Jefferson St., Phoenix.

BISHOP MANUFACTURING CORP., 25 West 31st St., New York City—W. E. Wallace, 3546 Lincoln Ave., Oakland, Calif.; Edward A. Aymond, Jr., 4310 Maple Ave., Dallas. Distributor: Graybar Electric Co., 1750 Alameda St., San Francisco, Calif., and 1702 Cullen Blvd., Houston, Texas;

BLACO MFG. CO. (formerly Blackburn Specialty Co.), 6541 Euclid Ave., Cleveland 3, Ohio—Leonard L. Minthorne Co., Weatherly Bldg., Portland 14; Arnold A. Sinai, 65 Ninth St., San Francisco 3; Gordon G. Moss, 1530 13th Ave., Greeley, Colo.

BLACK MFG. CO., M., 300 North Third St., Philadelphia, Penna.—Panama Lamp & Commercial Co., 815 Howard St., San Francisco, 326 S. San Pedro St., Los Angeles 13 and 568 1st Ave. So., Seattle 4; Northwest Sales, 1603 N.W. Johnson St., Portland 9; Stanford Darger, 328 W. 2nd South St., Salt Lake City; Olson-Robertson Co., 2820 N. Henderson, Dallas.

BLACKBURN PRODUCTS CORP., JASPER, 35 Madison St., St. Louis, Mo.—L. W. Thompson, 232 S. Hill St., Los Angeles; (Ground rods only)—Kortick Mfg. Co., 345 First St., San Francisco 5; General Electric Supply Corp., in all cities. (See ads, pp. 9, 65.)

BLACK & DECKER MFG. CO., Towson 4, Md.—Branch offices: 2613 Ross Ave., Dallas; 1010 Bannock St., Denver 4; 409 Velasco St., Houston; 2432 So. Broadway, Los Angeles 7; 9th and Bryant Sts., San Francisco 3; 434 8th Ave., No. Seattle; 1640 N.W. Johnson St., Portland 9.

BLACKHAWK INDUSTRIES, Dubuque, Iowa—M. L. Fowler Co., 383 Brannan St., San Francisco.

BLACKHAWK MFG. CO., 5325 W. Rogers St., Milwaukee, Wis.—George A. Spohn, Dist. Manager, West Coast, 1012 Sunnyhills Rd., Oakland, Calif.; I. M. Gregory, 1292 Genevieve St., San Bernardino, Calif.; Art Comerford, Associate Dist. Mgr., 1918 West 97 th St., Seattle; Bernie Robertson, 272 Betty Lane, Concord, Calif.

BLACKSTONE CORPORATION, 1088 Allen St. Ext., Jamestown, N. Y.—Thompson-Diggs Co., 1355 Market St., San Francisco; H. E. Caygill Co., 409 E. Second St., Los Angeles; Love Electric Co., 318 Westlake No., Seattle; Butane Corp., 19th Ave & Linden, Phoenix; Robert F. Clark Co., 70 Rio Grande Blvd., Denver; Gold "E" Distributors, Inc., 1905 E. Harbor Dr., San Diego; Tubbs Electric Co., 165 S. Post St., Spokane; Montana Gas Appliances, P. O. Box 2407, Billings, Mont.; Stubbs Electric Co., 33 N.W. Park Ave., Portland.

BLAW KNOX CO., P. O. Box 1198, Pittsburgh, Pa.—Brodhead Steel Products Co., 17th Ave. and Wisconsin St., San Francisco 10; E. M. Ornitz, 215 West 5th, Los Angeles; W. G. Ballantyne Co., 1215 Northwest Everett St., Portland, Ore.; Wm. Z. Harrison Co., 436 Atlas Bldg., Salt Lake City; S. F. Patterson Co., 1717 West Austin St., Seattle.

BLOXHAM ENGINEERING, INC., 2610 9th St., Berkeley, Calif.

BODENIECK TOOL CO., 325 East Main St., Taylorville, Ill.—Ken H. Best, 541 First Ave. So., Seattle.

BODINE ELECTRIC CO., 2254 W. Ohio St., Chicago 12, Ill.—H. M. Hall, 411 S. Wall, Los Angeles 13; J. F. Cady, 995 Market St., San Francisco 3.

BOGEN CO., DAVID, 663 Broadway, New York City—E. L. Berman Co., 1355 Market St., San Francisco; Marshank Sales Co., 672 S. Lafayette Park Pl., Los Angeles; Northwestern Agencies, Inc., 4130 First Ave. So., Seattle 4; Franklyn Y. Gates, 200 S. Main St., Salt Lake City.

BOGUE ELECTRIC MFG. CO., 52 Iowa Ave., Paterson 3; N. J.—W. J. Hopkins, 5443 Sylmar Ave., Van Nuys, Calif.; L. I. Wilson, 3812 Whitney Ave., Sacramento 15, Calif.

BOOTH CO., ARTHUR E., 4124 Beverly Blvd., Los Angeles 4, Calif.

BOSTON WOVEN HOSE & RUBBER CO., Cambridge, Mass. — J. B. Lippincott Co., 461 Market St., San Francisco.

BOYCO, INC., 1589 Merchandise Mart, Chicago, Ill.—Mark Herschberg, 14860¼ Dickens St., Sherman Oaks, Calif.

BRACH MFG. CORP., 200 Central Ave., Newark, N. J.—J. W. Marsh Company, 1515 W. Pico Blvd., Los Angeles 15; A. J. O'Brien Sales, Box 1681, Denver; Verner O. Jensen Co., 2616 Second Ave., Seattle.

BRADFORD MACHINE TOOL CO., 657 Evans St., Cincinnati, Ohio —Leslie W. Swenson, 1724 So. Flower St., Los Angeles 7, Calif.; Henry Wagner, 627 37th Ave., Seattle 22; C. C. Warner & Assoc., 3063 Albion St., Denver 7; Munnell & Sherrill, 400 S. W. First Ave., Portland.

BRADY CO., W. H., 16 E. Spring St., Chippewa Falls, Wis.—Electrical Specialties Co. in following cities: 316 11th St., San Francisco 3; 418 E. Third St., Los Angeles 13; 2406 First Ave. So., Seattle 4; 1015 21st St., Denver 2; Graybar Electric Company in all principal cities.

BRAMMER MFG. CO., 1441 Rockingham Road, Davenport, Iowa—L. M. O'Neill Co., 1355 Market St., San Francisco.

BRAND & CO., INC., WILLIAM, North and Valley Sts., Willimantic, Conn.—C. H. Mitchell Co., 1221 W. 11th St., Los Angeles; Adco Industries, 3414 Camp Bowie Blvd., Box 9275, Fort Worth 7.

BREUER ELECTRIC MFG. CO., 5100 No. Ravenswood Ave., Chicago, Ill.—R. L. Kline, Western Div. Mgr., Box 636, Los Gatos, Calif. Sold thru leading distributors, jobbers and dealers in all cities.

BREWER-TITCHENER CORP., 111 Pt. Watson St., Cortland, N. Y. —Hi-Line Hardware material distributed through Insulator Manufacturers.

BRIDGEPORT BRASS CO., 30 Grand St., Bridgeport 2, Conn.—Branch Offices: 1155 Bryant S., San Francisco; Terminal Sales Bldg., Seattle 1; 130 So. Hewitt St., Los Angeles 12; 1220 Polk Ave., Houston; 102 Doggett Bldg., Dallas; 77 Lipan St., Denver 9.

BRIDGEPORT SWITCH CO., 209 Center St., Bridgeport, Conn.—Eckert Lloyd Co., 1045 Bryant St., San Francisco, and 2115 So. San Pedro, Los Angeles.

BRIEGEL METHOD TOOL CO., 104 N.E. First St., Galva, Ill.—Distributed by Western outlets for M. B. Austin Co., which are: James Blinn Co., 1140 Speer Blvd., Denver; Ernest F. Hauck, 383 Brannan St., San Francisco; J. G. Pomeroy Co., 1004 E. 4th St., Los Angeles; W. W. Wheat & Associates, 560 1st Ave. So., Seattle—Clayton Mark & Co. representatives: Hodges & Glomb, 1264 Folsom St., San Francisco; W. E. Young, 2134 Curtiss St., Denver; J. J. Rutkin, 937 Stanford Ave., Los Angeles; Clifton Conduit Co., representatives: Northwestern Agencies, 4130 1st Ave. So., Seattle; McMillen-Stanley Co., 778 Natoma, San Francisco; Northwest Sales Co., 1603 N.W. Johnson, Portland; Michel Bros., 206 E. 31st St., Los Angeles, and J. C. Coulson, 449 W. Jackson, Phoenix—Electric Eng. & Sales Corp., El Paso—Enameled Metals Co. representatives: Keeler, White Co., 615 7th St., San Francisco; 422 N.W. 4th St., Portland; 1041 6th Ave. So., Seattle, and Spokane; Fred E. Staible & Sons, 2046 Arapahoe, Denver, and Allied Industries, 412 Seaton St., Los Angeles—General Electric Co., thru General Electric Distributors, all principal cities; The Steelduct Co., distributors in all principal cities. See ad, page 5.

BRIGHT LIGHT REFLECTOR CO., INC., 1730 State St., Bridgeport 5, Conn.—Frank H. Bran Co., 607 E. 6th St., Los Angeles 21, and 444 Brannan St., San Francisco 7; Everett T. Vonier, 1160 Elati, Denver 3; Harry A. Miller Co., 1902½ McKinney St., Dallas 1.

BRIGHT STAR BATTERY CO., 200 Crooks Ave., Clifton, N. J.—Branch Office: 1355 Market St. (C. G. McCowan, Br. Mgr.), San Francisco 3.

BRINNELL COMPANY, Hartford Ave., Granby, Conn.—Peck Steel & Die Supply, 4436 Long Beach Ave., Los Angeles.

BRISTOL COMPANY, THE, 117 Bristol Rd., Waterbury 91, Conn. —Branch Offices: 40 Berry St., San Francisco; 2181 E. 25th St., Los Angeles; 6626 White Bldg., Seattle; Specialty Sales Co., 206 So. West Temple, Salt Lake City; Hamilton Associates, 512 Insurance Bldg., Denver.

BRISTOL MOTOR COMPANY, THE, Coulter St., Old Saybrook, Conn.—Engineering Sales Co., 411 S. Wall St., Los Angeles; J. Y. Schoonmaker Co., 2011 Cedar Springs Ave., Dallas; J. F. Cady, 995 Market St., San Francisco.

BROAN MANUFACTURING CO., INC., 1669 N. Water St., Milwaukee, Wis.— W. W. Grainger, Inc. (in following cities), 311 So. San Pedro, Los Angeles; 2520 Larimer St., Denver; 613 N. W. Davis St., Portland; 163 W. South Temple, Salt Lake City; 316 Occidental Ave., Seattle, and 822 W. 2nd St., Spokane; Pacific Electric Sales Co., 140 S. E. 28 Ave., Portland.

BROWN-BOVERI CORP., 19 Rector St., New York City 6—Delius & Thomas, Hobart Bldg., San Francisco 4.

BROWN-BROCKMEYER CO., INC., 1046 Smithville Rd., Dayton 1, Ohio—Ellis-Kuhn, 711 Gibbons St., Los Angeles; George Howe, 247 Irvington Ave., Daly City, Calif.; Western Elec., California Bldg., Stockton; George Shefler, P. O. Box 1587, Phoenix; Palmer D. Weeks, S.W. First and Stark, Portland, Ore.; J. R. Christensen, 524 F St., Salt Lake City.

BROWN INSTRUMENT CO., Wayne and Roberts Aves., Philadelphia 44, Penna.—Same Western offices as Minneapolis-Honeywell Regulator Co., this Directory.

BROWN COMPANY, 150 Causeway St., Boston, Mass.—Branch Office; 58 Sutter St., Mr. Earl Van Pool, Regional Sales Mgr., San Francisco. Sold thru Westinghouse Electric Supply Co. all cities.

BROWNING LABORATORIES, INC., 750 Main St., Winchester, Mass.—Verner O. Jensen, 2616 2nd Ave., Seattle; David H. Ross Co., 1355 Market St., San Francisco; Henry Feldman, 1935 Bay St., Los Angeles.

BROWNING MFG. CO., Maysville, Ky.—Marwood Limited, 357 9th St., San Francisco; 320 E. 3rd, Los Angeles; 209 S.W. 1st Ave., Portland, and 1714 1st Ave. So., Seattle.

BRUNDAGE COMPANY, 512 No. Park, Kalamazoo 11, Mich.—Branch Office: 1117 2nd Ave. at Seneca (H. W. Winningham Co.), Seattle 1.

BRYANT ELECTRIC CO., 1421 State St., Bridgeport, Conn.—Branch Office: 3310 Leonis Blvd., Los Angeles 11, Calif.

BUCHANAN ELECTRICAL PRODUCTS CORP., 230 Route 29, Hillside, New Jersey—F. M. Nicholas Co., 140 Spear St., San Francisco 3; Kenneth Anderson Co., 412 Seaton St., Los Angeles 13; Shaffer and Nelson Co., 312 Occidental Ave., Seattle 4, and 1215 N. W. Everett St., Portland. (See ads, pp. 69-71.)

BUCKINGHAM MANUFACTURING CO., Travis and Bevier Sts., Binghamton, N. Y.—A. L. Dickson, Western Sales Manager, 1259 Clark Road, Paradise, Calif.; Western Hardware & Tool, San Francisco; Capital Hardware, Sacramento; Electric Supplies Dist. Co., San Diego; Ken H. Best, Seattle; Mallory Logging Equip. Co., Portland; Ryall Elec. Supply Co., Denver; Electric Supply Co., Albuquerque; Casper Supply Co., Casper, Wyo.; Montana Electric Co., Billings; The Falls Supply Co., Great Falls, Mont.; Osborne & Kitchen, Inc., Reno, Nev.; Arizona Wholesale Supply, Phoenix; Universal Safety Fire Equipment Co., Salt Lake City; Idaho Hardware & Plumbing Co., Boise; Coeur d' Alene; Hardware & Foundry, Wallace, Idaho; Missoula Mercantile, Missoula, Mont.; Phil Judd, Butte, Mont.; Pueblo Elec. Supply Co., Pueblo, Colo.

BUDA COMPANY, 154th and Commercial Sts., Harvey, Ill.—Branch Offices: Buda Engine & Equipment Co. in following cities: 2580 N.W. Upshur St., Portland 10; 2829 Chambers St., Los Angeles 58; 3407 Airport Way, Seattle 4; 2155 Lawrence, Denver 5; 145 N. Durbin, Casper, Wyo.; King-Knight Co., 360 Jefferson St., San Francisco 11; Utility Trailer Sales, S. Hwy. 99 at Orange Ave., Fresno; J. K. Wheeler Machinery Co., 171 W. South Temple St., Salt Lake City; Industrial Supply Co., 1647 N. 2nd St., Albuquerque; Simson-Maxwell, Ltd., 1931 W. Georgia St., Vancouver, B.C.

BUELL ENGINEERING CO., 70 Pine St., New York—Lombard Smith, 714 W. Olympic Blvd., Los Angeles.

BUFFALO FORGE CO., 490 Broadway, Buffalo, N. Y.—Chas. W. Lockhart, Central Tower, San Francisco; A. T. Forsyth Co., 3150 Elliott Ave., Seattle; Halladay & Knauff, 448 So. Hill St., Los Angeles; Pace-Turpin & Co., 726 So. 3rd St. West, Salt Lake City.

BUFFALO METER CO., 2927 Main St., Buffalo 13, N. Y.—T. R. Routh Co., 742 Market St., San Francisco.

BUHRKE CO., R. H., 4705 W. Grand Ave., Chicago, Ill.—Ken H. Best, 541 First Ave. So., Seattle.

BULLDOG ELECTRIC PRODUCTS CO., 7610 Jos. Campau Ave., Detroit, Mich.—Safety Switchboard & Mfg. Co., 1445 Stevenson St., San Francisco; Paul L. Mullenbach Co., 3008 E. Olympic Blvd., Los Angeles; Coast Electric & Mfg. Co., 1720 N.E. 6th Ave., Portland.

BUNTING BRASS & BRONZE CO., THE, 715 Spencer St., Toledo, Ohio—Branch Offices: 277 7th St., San Francisco, and 240 W. 18th St., Los Angeles. Distributors: Tri-State Supply in following cities: 544 S. San Pedro, Los Angeles, 554 Bryant St., San Francisco, and 318 Occidental, Seattle; L. L. Burror & Co., 1126 8th Ave., Oakland; Oscar F. Williams, 1443 4th Ave., San Francisco; C. E. Riggs, 317 N.W. Broadway, Portland; J. R. Christensen Agency, 247 E. 5th So., Salt Lake City; Arrowhead Elec. Corp., 4816 So. Vermont Ave., Los Angeles; Robinson Electric Co., Ltd., 1179 Homer St., Vancouver, B. C.

BURBANK ELECTRICAL PRODUCTS, 215 W. Palm Ave., Burbank, Calif.—Sold thru electrical wholesalers.

BURDICK CORP., 635 Plumb St., Milton, Wis.—Al Bush Elec., 563 Sutter St., San Francisco; R. L. Scheerer Co., 2206 W. 7th St., Los Angeles, and J. J. Ambrose, 5117 Mt. Helena Ave., Los Angeles.

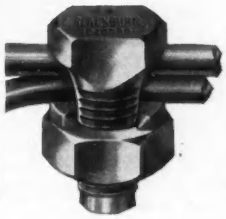
BURGESS BATTERY COMPANY, Freeport, Ill.—Branch Offices: V. T. Rupp, 2230 West 11th St., Los Angeles; D. Miller, 8341 16th Ave. N.W. Seattle; Calif.-Arizona Sales Agency, 301 W. G St., San Diego; P. R. Crocker, 625 3rd St., San Francisco 7.

BURGESS VIBROCRAFTERS, INC., 180 N. Wabash Ave., Chicago, Ill.—W. T. Stone Co., 1717 Westlake No., Seattle; V. T. Rupp Co., 2230 W. 11th St., Los Angeles; Nickerson & Rudat, 381 Brannan St., San Francisco.

BURLING INSTRUMENT CO., 3 Vose Ave., So Orange, N. J.—Ralph B. Lundy, 1063 Howard, San Francisco.

BURLINGTON INSTRUMENT CO., 203 N. 3rd St., Burlington, Iowa—Fred W. Carlson, 307 5th Ave., Seattle; David H. Ross Co., 1355 Market St., San Francisco; J. E. Edstrom, 319 S. W. Washington St., Portland, Frazar & Hansen, Ltd. (Export), 301 Clay St., San Francisco; D. L. Glidden, 3802 Winchester Ave., Houston; Mack Co., P.O. Box 2363, Denver.

BURNDY ENGINEERING CO., INC., Norwalk, Conn.—George E. Honn Co., 420 Market St., San Francisco 11; Earl S. Condon Co., 1151 So. Broadway, Los Angeles 15; Fred W. Carlson, 2307 Fifth Ave., Seattle 1, and 519 N.W. Park Ave., Portland 5.



BLACKBURN
Hi-Strength
CONNECTORS

SOLD THROUGH

General Electric Supply Corporation in California, Oregon, and Washington. Any Electrical Wholesaler in other states. Agent for Southern California, L. W. Thompson, 232 S. Hill Street, Los Angeles 12, California.

JASPER BLACKBURN PRODUCTS CORP.

St. Louis 6, Mo.

INDUSTRIAL ENGINEERING AND EQUIPMENT CORP.

417 So. Hill Street, Los Angeles 13
Phone Michigan 7794
REPRESENTING

W. N. MATTHEWS CORP.
Distribution protection specialties

PORCELAIN PRODUCTS, INC.
Insulators and hardware

MALLEABLE IRON FITTINGS CO.
Pole line hardware specialties

ANDERSON BRASS WORKS, INC.
Connectors, outdoor bus supports and fittings
Aluminum transmission and distribution hardware

ALBERT & J. M. ANDERSON MFG. CO.
Heavy duty plugs and receptacles
Battery charging equipment

MILBANK MANUFACTURING CO.
Meter devices

LOCAL STOCKS

WALTER E. WALLACE CO.

3546 Lincoln Ave., Oakland 2, Calif. **(phone) KEllog 2-8388**

Manufacturers' Representative

BISHOP MFG. CORP.—Self-Bonding Electrical Insulating Tapes.

ELECTRIC CORDS & SUPPLY CO.—Cord Sets, Wire Assemblies, Harnesses.

ERICSON MFG. CO.—Lamp Guards (wire & insulated), Inspection Lights (barrel & boiler), Rubber Wiring Devices, Vapor-proof Portables.

PERFECT-LINE MFG. CORP.—Wire Devices, Outdoor Lighting Units, Ventilating Equipment.

PIERCE RENEWABLE FUSES, INC.—Renewable and Non-Renewable Plug and Cartridge Fuses.

BURNHAM CORPORATION, Box 351, Zanesville, Ohio—Bruce-Emmett Co., 830 S. E. Alder St., Portland; Milton Chase, 1337 44th Ave., S. W., Seattle; Mrs. Irene Donely, 67 Beach Dr., Hermosa Beach, Calif.; Thompson & Holmes, 650 2nd St. San Francisco 7.

BURNLEY BATTERY & MFG. CO., 103 Clay St., North East, Pa.—Joslyn Co. of California in following cities: 5100 District Blvd., Los Angeles; 180 Potrero St., San Francisco; 1523 N.W. Kearney St., Portland, and 2424 1st Ave. So., Seattle.

BURPEE CAN SEALER CO., 128 W. Liberty, Barrington, Ill.—Mel Pearson, 1011 S. Josephine St., Denver; Burt Porter, 729 Securities Bldg., Seattle; James Gaisford, 416 W. Olympic Blvd., Los Angeles; Lynn & Brooks, 2048 Market St., San Francisco.

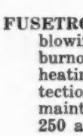
BURTON-ROGERS CO., Sales Div., Hoyt Elec'l Instr. Works, 292 Main St., Cambridge 42, Mass.—G. A. Snoemaker, 574 Eddy St., San Francisco; Harvey Shoemaker, 1501 S. Hope St., Los Angeles; H. M. Dingley, 4215 E. 82nd St., Seattle.

BUSSMANN MFG. CO., University at Jefferson, St. Louis 7, Mo.—Branch Offices: Western Div. Mgr., O. A. Alderman, 4545 51st Ave. N.E., Seattle 5; District Managers: N. S. Beyer, 574 Eddy St., San Francisco; W. J. Wilt, 7949 E. Norwood Pl., San Gabriel; J. A. Derque, 7527 So. Gretna, Whittier, Calif.; H. L. Davin, 4535 Batavia Pl., Denver 7. (See adv., page 10.)

CBS-COLUMBIA, INC., 170 53rd St., Brooklyn, N. Y.—V. J. McIntyre Sales Engineering, 635 So. Kenmore Ave., Los Angeles; Frank Wedel, 3215 Western Ave., Seattle; A. J. Nelson, P.O. Box 2244, Denver.

BUSS FUSES

FUSETRON dual-element fuses. Eliminate needless blowing of circuit fuses. Protect motors against burnout from overloads or single phasing. Reduce heating in panels and switches. Give thermal protection to panels and switches. Save on service and maintenance costs. In all sizes 1/10 amp. up—in 125, 250 and 600 volt types. Fit regular fuse holders.



BUSS Fustats. (Type "S" fuses) Operate like Fusetron fuses. Make SAFE protection REMAIN SAFE. 5/10 to 30 amp. sizes. Fit plug fuse holders thru use of inexpensive adapter.

BUSS Super-Lag Fuses. Give a freedom from needless blows not possible with any other renewable fuse. Greatly reduce out-of-service losses and fuse bills.

BUSS One-Time Fuses. Receive same engineering care in manufacture as all products bearing BUSS trade mark. Safe and dependable under all conditions.

BUSSMANN MFG. CO., ST. LOUIS 7, MO.
Division McGraw Electric Company

Western Representatives:
O. A. Alderman, 4545 51st Ave., N.E., Seattle 5, Wash.
N. S. Beyer, 574 Eddy St., San Francisco 9, Calif.
W. J. Wilt, 7949 East Norwood Pl., San Gabriel, Calif.
J. A. Derque, 7527 South Gretna, Whittier, Calif.
H. L. Davin, 2919 Forest St., Denver 7, Colorado.

CANNON PLUGS THE WORLD'S LARGEST VARIETY...

.. of high quality plugs, receptacles and accessories for the communications, power and control circuits of industry.

CANNON ELECTRIC
Since 1915
CANNON ELECTRIC COMPANY
LOS ANGELES 31, CALIFORNIA
Representatives in principal cities

C-O-TWO FIRE EQUIPMENT CO., P. O. Box 390, Newark 1, N. J.—Branch Offices: 1177 Mission St., San Francisco 3, and 1538 Esperanza St., Los Angeles.

CABLE ELECTRIC PRODUCTS, INC., 234 Daboll St., Providence, R. I.—The Frank H. Bran Company, 607 E. 6th St., Los Angeles and 444 Brannan St., San Francisco; C. A. King Co., 2323 2nd Ave., Seattle; Allen B. Carpenter Co., 820 12th St., Denver; H. D. Pucket, P. O. Box 1484, Dallas.

CALABAR CORP., 8414 Otis St., South Gate, Calif.—Whiting Corp., 5649 Alhambra Ave., Los Angeles, Stanley E. Morris Co., 5584 Alhambra Ave., Los Angeles; Fred W. Schlapp, 204 Davis St., San Francisco; California Tramrail Co., 20 Lucerne St., San Francisco; Hathaway - Thurlow Co., 1534 Palm Ave., Seattle; Air Mack Equipment Co., 614 Elliot West, Seattle, and 1415 S.E. 8th St., Portland.

CAM TOOL CO., INC., 288 21st St., Oakland, Calif.; Auto Parts Warehouse, 3219 S. Figueroa, Los Angeles; R. K. Flanagan, 1100 E. Pike St., Seattle; Don Smith, 24 E. 9th Ave., Denver; L. D. Tuttle Co., 1711 Cochran St., Dallas.

CAMFIELD MANUFACTURING CO., 718 N. 7th St., Grand Haven, Mich. — Les Taufenbach, 4860 Valley Blvd., Los Angeles; 1355 Market St., San Francisco; Don H. Burcham Co., 917 S.W. Oak St., Portland; James H. Blinn Co., 1140 Spear Blvd., Denver; W. B. Reynolds Co., M. & M. Bldg., Houston.

CANNON ELECTRIC CO., 3209 Humboldt St., Los Angeles 31, Calif—Wm. V. Brainerd, 30 Harriet St., San Francisco 3; Douglas H. Loukota, 1052 W. 6th St., Los Angeles; James J. Backer Co., 2321 2nd Ave., Seattle 1. (See adv., page 10.)

CAPEHART - FARNSWORTH CORP., 3700 Pontiac, Fort Wayne 1, Ind.—Thompson & Holmes, Ltd., 650 2nd St., San Francisco; Ray Thomas Co., 1601 S. Hope St., Los Angeles 15; Central Distributors, 1131 S.W. Washington, Portland; Seattle Radio Supply, 2117 2nd Ave., Seattle; Standard Sales, Inc., 1219 W. 1st Ave., Spokane 8; S. R. Ross, Inc., 1212 S. State St., Salt Lake City; D. N. Latus & Co., 1531 National Ave., Helena, Mont.; Saviers Elec. Prod., Inc., 101 E. Charleston, Las Vegas, Nev.; Maydwell & Hartzell, Inc., 158 11th St., San Francisco 3; 427 W. 5th, Los Angeles; 306 Dexter Ave., Seattle 4; 1238 N.W. Glisan St., Portland 9; 814 Paulsen Bldg., Spokane 8; 6710 N. 15th St., Phoenix.

CAPITAL INDUSTRIES, INC., 1623 S.E. 6th Ave., Portland, Ore.

CARBOLOY, DEPT. OF GE CO., 11159 E. Eight Mile Road, Detroit 32, Mich. (See under GE Co.)

CARBONE CORPORATION, 400 Myrtle Ave., Boonton, N. J.—Muth-Richards, 2605 Western Ave., Seattle; C. E. Klaus, 1004 S. E. Belmont, Portland; Dom Politeo, 547 Howard St., San Francisco.

CARDOX CORPORATION, 307 N. Michigan Ave., Chicago 1, Ill.—Branch Offices: A. K. Wayman, 151 North Ave. 19, Los Angeles; A. L. Peterson, Dist. Mgr., 1118 Fifth Ave., Oakland.

CARLING ELECTRIC, INC., 505 New Park Ave., West Hartford 10, Conn.—A. J. Nelson Co., P. O. Box 2244, Denver; Paul F. Wiley, 1406 S. Grand Ave., Los Angeles; Hy-G Products Co., 6633 McKinley Ave., Los Angeles 1; Albert S. Knight, 80006 Western Ave., Seattle 1.

CARPENTER STEEL CO., Alloy Tube Div., Springfield Road, Union, N. J. — Branch Office; 24 California St., San Francisco 11. Distributors: Electric Steel Foundry Co., 2141 N. W. 25th Ave., Portland 10; 2724 1st Ave. So., Seattle 4; 249 1st St., San Francisco 5; 4600 Pacific Blvd., Los Angeles 11.

CARRIER CORPORATION, 300 S. Geddes St., Syracuse, N. Y.—Branch Offices: 251 First St., San Francisco; 1500 S. Santa Fe Ave., Los Angeles; 1718 California St., Denver; 710 N. Harwood St., Dallas; 911 Electric Bldg., Houston.

CASCO PRODUCTS CORP., 512 Hancock Ave., Bridgeport, Conn.—Cochrane Bros., 1148 S. Grand Ave., Los Angeles, and 1355 Market St., San Francisco; Allen B. Carpenter Co., 820 12th St., Denver; O. M. Thompson Co., 13005 8th Ave. N.W., Seattle; Rutherford & Perdue, 6132 Fordham, Houston and 2013 Cedar Springs, Dallas.

CASH VALVE MFG. CORP., A. W. Wabash & Morgan, Decatur, Ill.—Paul S. Robinson, 2025 Beverly Blvd., Los Angeles, Calif., and John J. Logue, 1500 Magnolia St., San Carlos, Calif.

CARTER MOTOR CO., 2644 N. Maplewood Ave., Chicago, Ill.—Branch Offices: Harold Newman, 420 Market St., San Francisco; W. Cliff McLoud, 5528 E. Colfax, Denver; Perlmuth Coleman & Associates, 1335 So. Flower St., Los Angeles 15; Northwestern Agencies, 4130 First Ave. So., Seattle 4.

CATALIN CORP OF AMERICA, 1 Park Ave., New York City—Electrical Specialty Co., 116 11th St., San Francisco; 418 E. Third St., Los Angeles 13; 2406 Ave. So. Seattle; 1015 21st St. Denver 2.

CATHO-LITE CO., INC., 4122 W. Belvedere Ave., Baltimore 15, Md.—E. G. Hendrickson & Associates, 1717 W. Broadway, Spokane, Wash.

CAVALIER CORP., Electric Heater Div., 343 W. 1st St., Chattanooga, Tenn.—Bruce-Emmett Co., 830 S.E. Alder St., Portland and 1016 First Ave. South, Seattle; Dan H. Radke Co., 754 Natoma St., San Francisco. Distributors in all principal cities.

CENTRAL PORCELAIN CO., Railroad St., Columbiana, Ohio—A. B. Murphy Co., 228 9th St., San Francisco.

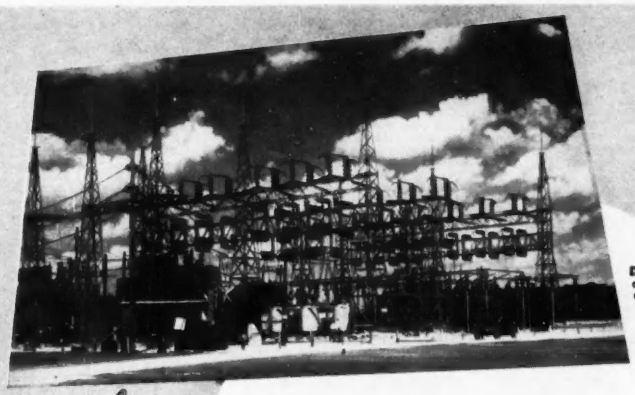
CENTURY ELECTRIC CO., 1806 Pine St., St. Louis, Mo.—Branch Offices: 557 Monadnock Bldg., San Francisco; 1855 Industrial St., Los Angeles; 1518 1st Ave. So., Seattle; Agents—Tad J. Stevens, 41 P. O. Place, Salt Lake City; Mark G. Mueller, 1644 Blake, Denver.

CENTURY LIGHTING, INC., 419 W. 55th St., New York City—J. Turner, 420 Market St., San Francisco.

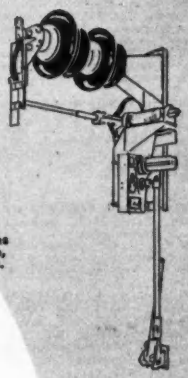
CERTIFIED FLEXIBLE COUPLINGS, 369 Lexington Ave., New York City 17 — Brooks Equip. Co., 636 Potrero St., San Francisco; W. G. Ballantyne Co., 1215 N.W. Everett, Portland.

CHACE CO., W. M., 1600 Beard Ave., Detroit, Mich.—E. A. Wilcox Co., in following cities: 277 7th St., San Francisco; 406 So. Main, Los Angeles 13, and Arctic Bldg., Seattle 4.

CHAMPION BLOWER & FORGE CO., Lancaster, Pa. — Baker-Hamilton, San Francisco; Mine & Smelter Supply Co., Salt Lake; Union Hardware & Metal, Los Angeles; Schwabacher Hardware, Seattle; J. E. Haseltine, Portland.

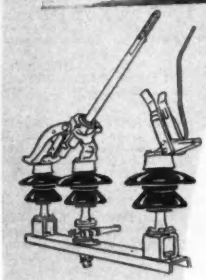


Delta-Star substations combine appearance, utility and economy.



Type "SG," 92-5 Kv. high speed grounding switch.

There is a Delta-Star product for every power switching requirement

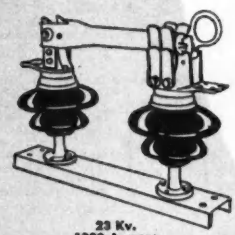


23 Kv. 600 Ampere "MK-40" single pole unit.

CHECK THIS LIST!

- Group Operated Air Switches (Horizontal and Vertical Break)
- Disconnect Switches (Indoor and Outdoor)
- Outdoor Substations
- Bus Supports (Indoor and Outdoor)
- Cable Supports
- Terminators (Potheads)
- Power Connectors
- Conductor Fittings
- Metal Enclosed Buses
- Interrupter Switches
- Pipe Fittings (Uniclamps)
- Motor Operating Mechanisms
- Plugs and Receptacles
- High Speed Grounding Switches
- Crane Rail Supports

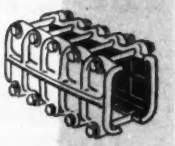
34.5 Kv. single-conductor Type "SBO" outdoor terminator.



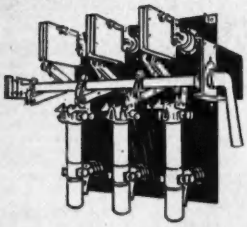
23 Kv. 1200 Ampere "B-2K" hook operated disconnect.

DELTA-STAR service is complete. Delta-Star Switches and Related Equipment are known and respected throughout the world for their advanced design and construction; sturdy, reliable performance under all conditions; simplicity, ease of installation and operation.

Get complete information on the items you are interested in. **Check this list.** Direct your inquiries to our nearest district representative or the factory. Complete information will be sent to you promptly.



Type "CS" straight connector for square tubing.



Type "SL" interrupter switch.

23 Kv. 3000 Ampere, Type "J-149" indoor disconnect.

WHEN YOU WANT THE BEST IN HIGH VOLTAGE SWITCHING EQUIPMENT SPECIFY DELTA-STAR

DELTA-STAR ELECTRIC COMPANY

DIVISION OF H. K. PORTER COMPANY, INC.

2437 Fulton Street • Chicago 12, Illinois

DISTRICT OFFICES IN PRINCIPAL CITIES

CHAMPION DeARMENT TOOL CO., So. Main, Meadville, Pa.—J. J. Brown Co., 206 So. Spring St., Los Angeles, and 420 Market St., San Francisco; Geo. M. Sullivan & Son, 3108½ Yesler Way, Seattle; Wm. L. Knoyer Co., 12th and Bannock, Denver.

CHAMP-ITEMS, INC., 6191 Maple Ave., St. Louis 14, Mo.—T. A. Mitchell Co., 222 7th St., San Francisco 3, A. V. Rodman, 1827 S. Hope St., Los Angeles; R. K. Flanagan, 1100 E. Pike St., Seattle 22.

CHAMPION LAMP WORKS, 600 Broad St., Lynn, Mass.—Panama Lamp & Commercial Co., 815 Howard St., San Francisco; 326 So. San Pedro, Los Angeles 13 and 568 1st Ave. So., Seattle 4.

CHANCE CO., A. B., 210 North Allen St., Centralia, Mo.—Western Branch Offices: J. T. Isbell, Vice President Charge Sales, 815 Tennessee St., San Francisco; J. R. Rice, 815 Tennessee St., San Francisco; M. R. Parkin c/o Los Gables Apt. Hotel, Salt Lake City, Utah; E. G. Ryman, 907 Terminal Sales Bldg., Portland.

Joseph Liner
1827 So. Hope Street
Los Angeles 15, Calif.

Representing
Rodale Mfg. Co. Inc.
Turn-tyte interlocking devices
Polarized wiring devices

Chester Cable Corp.
Electrical Wires
Electronic & Gov't. Spec. Wires

CHAPMAN VALVE MFG. CO., Indian Orchard, Mass.—Branch Offices: 564 Bryant St., San Francisco, and 2941 East 11th St., Los Angeles; 1503 Petroleum Bldg., Houston; H. D. Fowler Co., 901 Lane St., Seattle.

CHASE BRASS & COPPER CO., 236 Grand St., Waterbury 20, Conn.—Branch Offices: 1421 Court Place Denver 2; 210 So. Central Ave., Los Angeles 54; 680 Second St., San Francisco 7, and 1957 First Ave. So., Seattle 4.

CHASE-SHAWMUT CO., 374 Merrimac St., Newburyport, Mass.—Garnett Young & Co., in following cities: 910 E. Third St., Los Angeles; 390 Fourth St., San Francisco, and 503 Polson Bldg., Seattle; Allen B. Carpenter Co., 820 12th St., Denver 4; Jack Morgan, 335 Cole St., Dallas.

CHELSEA FAN & BLOWER CO., INC., 639 South Ave., Plainfield, N. J.—Kenneth Anderson Co., 412 Seaton St., Los Angeles; F. M. Nicholas Co., 140 Spear, San Francisco; W. W. Wheat & Son, 560 First Ave. South, Seattle 4.

CHERRY RIVET CO., A Division of Townsend Co., 231 Winston St., Los Angeles 13, Calif. — E. C. Sterling, Jr., 151-G West Hillsdale Blvd., San Mateo, Calif.

CHESTER CABLE CORP., Chester, New York—Joseph Liner, 1827 So. Hope St., Los Angeles.

CHICAGO ELECTRIC MFG. CO., Nat'l Stamping & Elec. Div., ("White Cross"), 6333 W. 65th St., Chicago 38, Ill.—O. B. Wilt Co., 1355 Market St., San Francisco; Alan Moore & Co., 150 W. 12th St., Los Angeles 15; L. B. Lamar, 1246 First Ave., South, Seattle 4; J. D. Sheehan & Associates, P.O. Box 1346, Dallas.

use **CHAMPION LAMPS**

FOR LIGHTING WITH MAXIMUM EFFICIENCY AT MIMIMUM COST

CHAMPION Incandescent and Fluorescent Lamps have the uniform quality of illumination and lasting dependability in service that comes only from years of specialization in the manufacture of lamps for industry. They COST LESS than any other lamps of equal quality . . . give MAXIMUM LIGHT for every cent of current consumed.

Liberal Discounts on Quantity Purchases

PANAMA LAMP & COMMERCIAL CO., INC.
for better lighting — it's **PANAMA**

326 So. San Pedro St. Los Angeles 13 Phone: Michigan 0318
815 Howard St. San Francisco 3 Phone: DO. 2-1130
568 1st Ave. So. Seattle 4 Phone: MUtual 2554

BRANCHES AND DISTRIBUTORS IN KEY WESTERN CITIES

CHICAGO ELEC. MFG. CO., 6333 W. 65th St., Chicago 38, Ill. (Handy freeze)—D. E. Sanford & Co., 12th & Howard St., San Francisco 3, and 1049 So. Hill, Los Angeles 14; Don H. Burcham Co., 917 S. W. Oak St., Portland 5 and 1327 Norcross Way, Seattle; Emery Berrett, 1918 So. 17th St. East, Salt Lake City; Albert M. Solen Co., 1225 E. 17th Ave., Denver 6.

CHICAGO EXPANSION BOLT CO., 1338 W. Concord Pl., Chicago, Ill.—Clark & Sawyer, 2012 E. 7th St., Los Angeles 21, James M. Owen Co., 1006 Lowman Bldg., Seattle; Seattle Screw Co., 84 University, Seattle; Portland Screw Co., 36 S.W. 3rd St., Portland; Austin Brothers, P. O. Box 990, Stockton, Calif.

CHICAGO HARDWARE FOUNDRY CO., 2500 Commonwealth, No. Chicago, Ill.—H. C. Bell, 445 So. Central, Glendale, Calif.; R. S. Altmanns, 1238 N. Glisan, Portland.

CHICAGO METAL HOSE CORP., (See Flexonics Corp.)

CHICAGO PNEUMATIC TOOL CO., 6 E. 44th St., New York City —H. P. Hansen, 655 Santa Fe Ave., Los Angeles; M. C. Lehmkuhl, 855 Bryant St., San Francisco 3; E. J. Hegre, 1928 First Ave. So., Seattle 4.

CHICAGO TRANSFORMER DIV., Essex Wire Corp., 3501 W. Addison, Chicago, Ill.—Branch office: 1077 Howard St., San Francisco; 2030 Sacramento St., Los Angeles; J. T. Hill Sales Co., 800 W. 11th St., Los Angeles 15.

CHRYSLER CORP., Airtemp Div., 1600 Webster St., Dayton, Ohio—Branch Office: 1440 Broadway, Oakland, Calif.; 1700 Commerce St., Dallas.

THE CINCINNATI TIME RECORDER CO., 1733 Central Ave., Cincinnati, Ohio—Branch Office: 2500 W. 6th St., Los Angeles; Los Angeles Stamp & Stationery Co., 1500 S. Los Angeles St., Los Angeles; The Sachs-Lawlor Co., 1543 Larimer St., Denver; Baker Co., Inc., 2700 Second Ave., Seattle; Time & Instrument Co., 57 Richards St., Salt Lake City; J. E. Allen & Co., 5247 N.E. Sandy Blvd., Portland; Office Appliance Co., 159 New Montgomery St., San Francisco; H. D. Baker Co., 1007 Pacific Ave., Tacoma; General Supply, 16 E. Alder, Walla Walla; J. W. Mickler, P.O. Box 18003, Houston.

CIRCLE F. MFG. CO., 720 Monmouth St., Trenton, N. J.—Keeler White Co., in following cities; 436 Colyton St., Los Angeles; 422 N.W. 4th Ave., Portland; 615 7th St., San Francisco; 1041 Sixth Ave. South, Seattle; and Felix Simon, P.O. Box 614, Denver.

CIRCLE WIRE & CABLE CORP., 5500 Maspeth Ave., Maspeth, New York—Brill Electric Sales, 164 Townsend St., San Francisco; Agencies Company, 125 S. Santa Fe, Los Angeles; Electric Agencies, 618 Second Ave., Seattle.

CLARAGE FAN CO., Kalamazoo, Mich.—Lee Updegraff, 406 So. Main St., Los Angeles; S. C. Pardee, 414 Sharon Bldg., San Francisco; Preferred Equipment Co., 2615 Fifth Ave., Seattle; Douglas Jones Co., 1551 Redondo Ave., Salt Lake City; Mountain States Machinery Co., 1526 Blake St., Denver; Sebree Equipment Co., 610 N. 2nd St., Albuquerque; L. S. Pawkett & Co., 816 Insurance Bldg., San Antonio; Allan Eng. Co., Box 1211, Dallas, and Lembke Heating & Eng. Co., 2916½ 1st Ave. N., Billings, Mont.

CLARE & CO., C. P., 4719 W. Sunnyside Ave., Chicago 30, Ill. —Marshank Sales Co., 672 S. Lafayette Park Pl., Los Angeles 5; E. L. Berman Co., 1355 Market St., San Francisco; C. B. Parsons & Co., 119 Belmont Ave. N., Seattle 2; Clyde P. Elliott, 3020 S. Cherry, Denver 3; John E. Burns, 6410 Fannin St., Houston.

CLARK BROS. BOLT CO., Milldale, Conn.—Earl E. Tibbot, 117 West 9th St., Los Angeles.

CLARK CONTROLLER CO., 1146 E. 152nd St., Cleveland 10, Ohio —Branch Office: San Francisco, 420 Market St., F. G. Guthrie; The Clark Controller Co., 5924 E. Olympic Blvd., Los Angeles; L. F. Newton, 3825 S. E. 17th Ave., East, Portland 2; C. W. Silver, 550 W. 7th South St., Salt Lake City; Peterson Co., 4949 Colorado Blvd., Denver 10; Butler & Land, 5538 Dyer St., Dallas; Industrial Equip Co., 6829 Navigation Bldg., Houston; Hirsch Bros. Machinery Co., 1901 Bassett Ave., El Paso.

CLARK ELECTRIC CO., JAMES, 600 E. Bergman St., Louisville 3, Ky.—Zonne Electric Tool Co., 2226 So. San Pedro, Los Angeles; H. H. Hoffman, 1107 E. Pike, Seattle.

CLARK ELECTRONIC LABORATORIES, Box 165, Palm Springs, Calif.—Wetzel Equipment Agency, Salt Lake City, and Cutler-Hammer, Inc., Los Angeles.

CLAROSTAT MFG. CO., INC., Washington St., Dover N. H.—Perlmuth Colman & Associates, 1335 So. Flower St., Los Angeles and 420 Market St., San Francisco; W. H. Connors, 1590 Eudora St., Denver; Sam Stroum, 610 19th Ave. So., Seattle.

CLARVAN CORPORATION, 250 N. Water St., Milwaukee, Wis.—Glen Kazebeer, 924 Mills Bldg., San Francisco; Ralph Wall, 1640 Camulos Ave., Glendale, Calif.; Paul Johnson, 907 Northwest Irving St., Portland 9; Chester Willard, 6424 Curzon, Ridglea Addition, Fort Worth, Texas; Karel Van Dyk, Box 1034, Honolulu, T.H.

CLAYTON MARK & CO., 199 Dempster Ave., Evanston, Ill.—Hodges & Glomb, 1264 Folsom St., San Francisco; J. J. Rutkin, 515 Stanford Ave., Los Angeles; W. E. Young Co., 2134 Curtis St., Denver.

CLEMENTS MFG. CO., 6650 So. Narragansett, Chicago, Ill. — Dalco Appliance Co., 7th and Townsend Sts., San Francisco; Dalco Appliance Co., 6th and Que Sts., Sacramento; Marshall-Wells Co., Seattle and Portland; Walter B. Lloyd, 850 S. Main St., Salt Lake City; Globe Electric Co., 307 1st Ave. S., Seattle; Harry L. Shane Co., Los Angeles.

CLEMSON BROS., INC., Middletown, N. Y.—Edward F. Buie, 12849 Milbank, North Hollywood, Calif.

CLEVELAND CRANE & ENG. CO., 5866 E. 289th St., Wickliffe, Ohio — Cleveland Tramrail Calif. Co., 771 Clementino St., San Francisco; Cleveland Tramrail Denver Co., 3191 So. Cherokee, Englewood, Colo.; C. P. Mott Co., 2617 Barbey Dr., Salt Lake City; Nelson J. Leonard, 5764 28th Ave. N.E., Seattle; Cleveland Tramrail Calif. Co., 4700 District Blvd., Los Angeles; N. C. Sherman, Ltd., 1156 W. Pender St., Vancouver, B. C.

CLIFTON CONDUIT CO., INC., 75 Montgomery St., Jersey City, N. J.—Michel Bros., 1015 E. 16th St., Los Angeles; McMillen-Stanley Co., 778 Natoma St., San Francisco; Northwestern Agencies, 4130 First Ave. So., Seattle; Northwest Sales Co., 1603 N.W. Johnson St., Portland; Electrical Eng. & Sales Co., 2030 Texas St., El Paso.; J. E. Shull, 350 So. Central Ave., Los Angeles.

CLIFTON MFG. CO., INC., 34 Topalian Mattapan, Boston 26, Mass.— Northwestern Agencies, 4130 First Ave. So., Seattle; Magnes Co., 725 Second St., San Francisco; Hargrove-Green Co., 1800 Marengo St., Los Angeles; Reitz Sales Co., 1324 Bellaire St., Denver.

COAST ELECTRIC & MFG. CO., 1720 N.E. 6th Ave., Portland.

COATES ELECTRIC MFG. CO., 3610 First Ave. So., Seattle 4, Wash.—Stephen A. Welch, 453 W. Palmer Ave., Los Angeles; E. L. Chrisman, 8255 Compton Ave., Los Angeles; Associated Valve & Eng. Corp., 1048 Folsom, San Francisco; W. A. Crowder, 602 Empire State Bldg., Spokane.

COBRA WOOD TREATMENT CORP., 124 E. 40th St., New York—T. S. Wood, 220 9th Ave. No., Seattle.

COCHRANE CORPORATION, 17th and Allegheny Ave., Philadelphia, Pa.—B. F. Soffe, Western Sales Mgr. 1644 Crescent Heights Blvd., Los Angeles; C. C. Moore & Co., 650 Mission St., San Francisco, and following cities: Richfield Bldg., Los Angeles; 213 Luhrs Bldg., Phoenix; 1119 Failing Bldg., Portland, and 417 Smith Tower, Seattle; Stearns Rogers Mfg. Co., 1720 California St., Denver, P.O. Box 38, El Paso; 405 Kearns Bldg., Salt Lake City.

CODE ELECTRIC CORP., 214 Kalos St., Philadelphia, Pa.—Schueler & Weston, 923 E. 3rd St., Los Angeles.

COFFING HOIST CO., 800 Walter St., Danville, Ill.—Ralph Ratcliff, 1300 Sunnyslope Ave., Belmont, Calif.; Ray Doan, 2254 Goldsmith Road, Houston, and F. R. Elsner, 842 S. York, Denver.

COLE & CO., INC., C. W., 320 E. 12th St., Los Angeles 15, Calif.—Dan H. Radke Co., 754 Natoma St., San Francisco; The Gleasons, 901 E. 45th St., Seattle.

COLE ELECTRIC COMPANY, 8439 Steller Dr., Culver City, Calif.—Earl S. Condon Co., 1151 S. Broadway, Los Angeles 15; C. E. Ingalls & Sons, 541 Monadnock Bldg., San Francisco 5; Fred W. Carlson, 2307 Fifth Ave., Seattle; J. Edward Edstrom, 519 N.W. Park Ave., Portland 9; C. A. D. Young, 726 Colorado Bldg., Denver; Elgin B. Robertson, Inc., 4101 San Jacinto St., Houston 4, and 1339 Plowman, Dallas 1; Industrail Electric Products, P.O. Box 1428, Phoenix.

COLE INSTRUMENT CO., 1320 Grand Ave., Los Angeles, Calif.—California Instrument Co., 743 Prague St., San Francisco; Wm. S. Bryan, 6415 Latona Ave., Seattle; Edwin C. Dunn, P.O. 268, Littleton, Colo.

COLLMAN MFG. CORP., 421 W. 12th St., Erie, Pa.—Charles A. Holman, 1206 N. 47th St., Seattle 3.

COLLYER INSULATED WIRE CO. 249 Roosevelt Ave., Pawtucket, R. I.—Allied Industries, Inc., 412 Seaton, Los Angeles, Calif.

COLONIAL ELECTRIC PRODUCTS, INC., 1-115 Market St., East Paterson, N. J.—Robt. C. Brinkley Co., 1003 Western Ave., Seattle 4.

COLONIAL-PREMIER CO., 466 W. Superior St., Chicago, Ill.—Appliance Distributors, Wazee Market, Denver; Household Associates, 6923 Snider Plaza, Dallas; Tim Healy, 937 Avenue N. 20, Seattle.

COLSON CORPORATION, N. Cedar St., Elyria, Ohio—Colson Equipment & Supply in Los Angeles and San Francisco; R. H. Brown Co., Seattle and Portland; Armstrong Equipment & Supply, Denver; Dillon Scale & Equipment, Dallas and Houston.

COLUMBIA CABLE & ELECTRIC CORP., 255 Chestnut St., Brooklyn, N. Y.—Frank H. Bran Co., 607 E. 6th St., Los Angeles, and 444 Brannan St., San Francisco; Keeler, White Co., in following cities: 1041 6th Ave., Seattle; 302 N.W. 4th Ave., Portland, and S. 121 Madison St., Spokane 8.

COLUMBIA ELECTRIC & MFG. CO., W. 1024 Ide Ave., Spokane, Wash.—General Electric Supply Corp., all cities.

COLUMBIA ELECTRIC MFG. CO., 4519 Hamilton Ave., Cleveland 14, Ohio—The James L. Kearns Co., 331 S.E. 62nd Ave., Portland 16; Bellfove Company, 420 Market St., San Francisco 11.

COLUMBIA METAL BOX CO., 260 E. 143rd St., New York City 51—George A. Gray Co., 2720 17th St., San Francisco; George E. Anderson, 1903 Griffin St., Dallas 2.

COLUMBIA - GENEVA STEEL DIV., U.S. Steel Co., (American Steel & Wire), M. J. Aurelius, V.P. (Charge Sales, Russ Bldg., San Francisco 4—F. S. Howard, Dist. V.P., 2087 E. Slauson Ave., Los Angeles; M. H. Freedman, Dist. V.P., 2345 N.W. Nicolai St., Portland 8 and 1331 3rd Ave. Bldg., Seattle; R. H. Madden, Jr., Dist. V.P., Russ Bldg., San Francisco; A. C. Moore, Dist. V.P., Walker Bank Bldg., Salt Lake City.

COLUMBIA WIRE & SUPPLY CO., 2850 W. Irving Park Road, Chicago, Ill.—Lee H. Owens Co., 2331 W. Washington Blvd., Los Angeles.

COMBUSTION CONTROL CORP., 77 Broadway, Cambridge, Mass.—Bushnell Controls & Equip. Co., 3929 W. Jefferson Blvd., Los Angeles, and 509 Polk St., San Francisco; Kent Engineering, 211 Chamber of Commerce Bldg., Denver; R. H. Lingner Co., 2311 Broadway N., Seattle; Leonard M. Slusser, Dooly Bldg., Salt Lake City; Pacific Controls Co., 1238 Seymour St., Vancouver; L. E. Gosling Co., 1105 N. E. 21st St., Portland.

COMBUSTION ENGINEERING SUPERHEAT, INC., 366 Madison Ave., New York—Branch offices: 510 W. 6th St., Los Angeles; 116 New Montgomery, San Francisco; 1940 Blake St., Denver; 210 S.W. Temple St., Salt Lake City; Mellie Esperson Bldg., Houston.

COMMERCIAL ENCLOSED FUSE CO. of N.J., 6812 Polk St. Guttenberg, N.J.—F. J. Airey Co., 1513 S. Mateo St., Los Angeles; Electric Agencies, 618 2nd Ave., Seattle; Tola Sales, 1708 Laws St., Dallas.

COMMERCIAL FILTERS CORP., 16 W. 3rd St., Boston 27, Mass.—Montgomery Bros., 1122 Howard St., San Francisco; 2113 S. San Pedro, Los Angeles; 911 Western Ave., Seattle; 1104 N.W. 15th Ave., Portland.

COMMERCIAL REFLECTOR & MFG. CO., 3109 Maple Ave., Los Angeles, Calif.

COMMONWEALTH ELECTRIC & MFG. CO., 83-105 Boston St., Boston, Mass. — Montgomery Brothers in following cities: 1122 Howard St., San Francisco; 2113 S. San Pedro, Los Angeles; 1104 N.W. 15th St., Portland, and 911 Western Ave., Seattle.

THE FRANK H. BRAN COMPANY

SEVEN KEYS
to success

AIR KING FANS
blowers—circulators—heaters—exhaust

COLUMBIA CABLE
armored—non-metallic
flexible steel conduit
thin wall conduit (EMT)

HOLFAST TAPE
friction—rubber

LITECOR BOXES
switch & outlet

SAYLORDUCT LOOM
electrical—automotive

SILV-A-KING LIGHTING
"RLM" reflectors—floodlights
fluorescent fixtures

SNAPIT DEVICES
chimes—plug fuses—cord sets
bells—buzzers—transformers
switches—receptacles

SEVEN KEYS
for continued success

LOS ANGELES
607 East Sixth Street (LA 21)
telephone MIchigan 7663

SAN FRANCISCO
444 Brannan Street (SF 7)
telephone YUkon 2-4312

COMPCO CORPORATION, 2251 W. St. Paul Ave., Chicago 47, Ill.—Army & Feigel, 4209 Parry Ave., Dallas.

CONCRETE TERMITE ROTARY DRILL CO., 2097 Foothill Blvd., Pasadena 8, Calif.—Fred Benz Co., 444 Brannan St., San Francisco.

CONDENSER PRODUCTS CO., 1375 North Branch, Chicago, Ill. —Conrad R. Strassner Co., 1865 North Western Ave., Los Angeles and 61 Ninth St., San Francisco.

CONDUIT NIPPLE MFG. CO., 1455 Spring Garden Ave., Pittsburgh, Pa.—Electrical Industries, 1135 Harrison St., San Francisco; J. C. Richards & Co., 335 Towne Ave., Los Angeles; Pacific Electric Sales Co., 232 N.E. 9th Ave., Portland.

CONDUIT PIPE PRODUCTS CO., 157 W. Fulton St., Columbus, Ohio — Northwestern Agencies, 4130 First Ave., S. Seattle 4, Wash.; J. J. Schaller, 837 Traction Ave., Los Angeles 13; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver; Walter J. Huemmer, Dallas Transfer & Terminal Warehouse Bldg., Dallas 2.

CONLON-MOORE CORP., 1806 S. 52nd Ave., Chicago, Ill.—Arthur C. Maryon Co., 1355 Market St., San Francisco, and Pioneer Appliances, 1355 Market St., San Francisco; L. A. Robinson & Co., 3129 Western Ave., Seattle; Robert Clark Co., 31st and Blake Sts., Denver, and Nelfran Co., 2013 So. Broadway, Denver; George H. Williams Co., 1506 Tuxedo Terrace, Los Angeles, Calif.

CONNECTICUT ELECTRIC & MFG. CO., Main St., Bantam, Conn.—Wm. Weston & Co., 1133 Moraga St., San Francisco, Calif.

CONNECTICUT HARD RUBBER CO., 407 East St., New Haven, Conn.—Western Hardware & Tool Co., 97 9th St., San Francisco; Western Fiberglas Corp., 987 S. Grand Ave., Los Angeles, and 739 Bryant St., San Francisco; George Gibson, Los Angeles.

CONNECTICUT TELEPHONE & ELECTRIC CORP., 70 Britannia St., Meriden, Conn.—Kjaer Equipment Co., 1261 Howard St., San Francisco; H. H. Van Luven Co., 537 Ceres Ave., Los Angeles; Edward A. Ryan, 4271 S.E. Stark St., Portland 15; General Electronics Co., 5424 Lawndale, Houston 3, and W. J. Mountford, 7306 Harrisburg Blvd., Houston; Western Equipment Co., Inc., 862 Richard St., Salt Lake City.

CONNOR ENGINEERING CORP., W. B., 114 E. 32nd St., New York City—Preferred Equipment Co., Inc., 4232 E. Whiteside St., Los Angeles; Fred W. Berger, Jr., 57 Post St., San Francisco; R. E. Chase & Co., in following cities: 1834 S.E. 8th Ave., Portland; W. 1017 Sprague Ave., Spokane, and 418 Tacoma Bldg., Tacoma; D. R. Rippey Co., West Bldg., Houston, and 801 Frost Bldg., San Antonio; C. A. Crosta, Inc., Denver; Marshall, Neill & Pauley, Inc., 106 Burt Bldg., Dallas; Albuquerque Eng. Co., 2722 Hyder Dr., Albuquerque.

CONOFLOW CORP., 2100 Arch St., Philadelphia, Pa.—S. R. Brown, 12153 Ventura Blvd., Studio City, Calif.

CONRAC, INC., 19217 E. Foothill Blvd., Glendora, Calif. — The Clyde Allen Co., 1355 Market St., San Francisco; Marshall & Peron Co., 1813 So. Figueroa, Los Angeles.

CONSOLIDATED WESTERN STEEL CORP., 5700 S. Eastern Ave., Los Angeles 54, Calif. — Branch Offices, 141 Battery St., San Francisco; 2421 California Ave., Fresno; 1729 Exchange Bldg., Seattle; 2013 Chester Ave., Bakersfield; 600 W. Grant St., Phoenix.

CONTINENTAL-DIAMOND FIBRE CO., S. Chapel St., Newark 14, Delaware—R. E. Cunningham & Son, 601 W. 5th St., Los Angeles 13; Marwood Limited, 357 9th St., San Francisco 3; 320 E. Third St., Los Angeles and 1714 First Ave. South, Seattle.

CONTINENTAL ELECTRIC CO., 715 Hamilton St., Geneva, Ill.—Alfred W. Harris, 3348 W. Compton Blvd., Gardena, Calif.; C. B. Parsons & Co., 115 Belmont Ave. No., Seattle.

CONTINENTAL SILVER CO., INC., 32 33rd St., Brooklyn, New York—Irving H. Richter, 137 So. Lafayette Park Pl., Los Angeles.

CONTROL CORPORATION, 718 Central Ave., Minneapolis, Minn. —Garland-Affolter Eng. Co., in following cities: 58 Sutter St., San Francisco; 2603 Western Ave., Seattle; 1233 N.W. 12th Ave., Portland; C. P. Crowley, 117 W. 9th St., Los Angeles; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver; Frank W. Gorman, P. O. Box 223, El Paso.

CONTROL ENGINEERING CORP., Canton, Mass.—J. T. Hill Sales Co., 800 W. 11th St., Los Angeles 15.

CONTROL PRODUCTS, INC., 306 Sussex, Harrison, N. J.—Thorson Co., 1644 N. Orange Grove Ave., Los Angeles, and Eastman Pacific Co., 2320 E. 8th St., Los Angeles; W. N. Wright, P. O. Box 7353, Dallas.

COOLERATOR CO., THE, 128 W. 1st St., Duluth, Minn.—Branch Offices: W. A. Kuehlthau, Dist. Sales Manager, 7309 50th Ave. N.E. Seattle 5; Glenn Earl, Inc., 245 So. 1st West, Salt Lake; Ellis Paint Co., 910 So. Arizona St., Butte; Schafer-Wright, Inc., 1233 N.W. 12 Ave., Portland; Seattle Radio Supply, Inc., 2117 Second Ave., Seattle; True's Dist. Co., N. 730 Hamilton St., Spokane.

COOPER OVEN THERMOMETER CO., Main St., Pequabuck, Conn. —Perry B. Miller, 3828 14th Ave., Oakland, Calif.; Sam D. Huntling, 405 E. 2nd St., Los Angeles; Charles C. DeBruler, P. O. Box 54, Denver.

T. J. COPE, INC, 711 South 50th St., Philadelphia, Pa.—George E. Honn Co., 420 Market St., San Francisco; R. F. Hamilton Associates, 512 Insurance Bldg., Denver; H. J. Randolph Co., 650 So. Grand Ave., Los Angeles, Calif.; Fred W. Carlson, 2307 Fifth Ave., Seattle 1, 607 Portland Trust Bldg., Portland.

COPELAND REFRIGERATION CORP., Sidney, Ohio—John L. Zant, 4215 Berenice, Los Angeles 31.

COPPERWELD STEEL, Glassport, Pa.—Branch Office: Harry J. Billica, Monadnock Bldg., San Francisco 5.

CORNELL DUBILIER ELECTRIC CORP., South Plainfield, N. J.—George E. Honn Co., 420 Market St., San Francisco; W. C. King, 912 E. 3rd St., Los Angeles 13; W. J. Cottrell, 11341 S. W. Pacific Highway, Portland 1; Muth-Richards Co., 2605 Western Ave., Seattle 1; Riter Engineering Co., Kearns Bldg., Salt Lake City; Tinling & Powell, E. 706 Sprague Ave., Spokane 8.

CORNING GLASS WORKS, Corning, N. Y.—Branch Office: 1355 Market St., San Francisco (T. J. Thompson, Manager).

COROAIRE HEATER CORP., THE, 1422 Euclid Ave., Cleveland, Ohio —James A. Bertha, 910 S. Shepherd St., Houston; J. H. Nicodemus, 230 S. 4th St. W., Salt Lake City.

CORNISH WIRE CO., INC., 50 Church St., New York, N. Y. — All of Calif.; J. M. Fincke, 1848 N. Main St., Los Angeles 31; The Sanderlin Co., 129 1st Ave. W., Seattle 99; A. J. Nelson Co., Box 2244, Denver; Crockett-Lund & Co., Irwin-Keasler Bldg., Dallas.

CORY CORPORATION, 221 N. La Salle, Chicago, Ill.—E. H. Sager, Western Division Sales Mgr., 475 Huntington Dr., San Marino, Calif.

COTTRELL PAPER CO., INC., Rock City Falls, N. Y.—Tri-State Supply Corp., in following cities: 544 S. San Pedro St., Los Angeles; 554 Bryant St., San Francisco; 318 Occidental Ave., Seattle 4; Urquhart Service, 307 Mercantile Bldg., and Electric Motor Supply Co., 1646 Blake St., Denver.

COUCH CO., INC., S. H., 3 Arlington St., North Quincy, Mass. —Garnett Young & Co., in following cities: 390 4th St., San Francisco; 910 E. 3rd St., Los Angeles; 503 Polson Bldg., Seattle; J. R. Christensen, 524 F St. Salt Lake City.

COUNTER & CONTROL CORP., 5225 W. Electric Ave., Milwaukee, Wis.—H. D. Easterbrook, 1264 So. Boyle, Los Angeles 23; Campbell & George Co., 379 Brannan St., San Francisco.

CRAMER CO., INC., THE R. W., Centerbrook, Connecticut—H. E. Held, 120 Main St., San Francisco 5; Fred W. Carlson, 2307 5th Ave., Seattle 1; J. E. Edstrom, 319 S.W. Washington St., Portland 4; Allen I. Williams Co., 1009 17th St., Denver 2; Milton A. Stolaroff, 4135 Degnan Blvd., Los Angeles 8. (See adv., page 15.)

CRESCENT INSULATED WIRE & CABLE CO., North Olden Ave., Trenton, N. J.—Murphy-Hain Co., 720 E. 2nd St., Los Angeles 12; Shaffer & Nelson Co., 312 Occidental Ave., Seattle 4, and 1215 N.W. Everett St., Portland.

CRESCENT TOOL CO., 200 Harrison St., Jamestown, N. Y.—Sold thru all leading hardware jobbers.

CRESCENT VALVE CO., 611 Shirley Ave., El Monte, Calif.—Ralph B. Lundy, 1063 Howard St., San Franciscoo.

CRISE CONTROLS DIV., The Acro Mfg. Co., 2040 E. Main St., Columbus, Ohio—Fred F. Alleman, 1709 W. 8th St., Los Angeles 14; C. B. Parsons, 119 Belmont Ave., Seattle; R. H. Fisher Sales Co., 721 Clementina St., San Francisco.

CROUSE-HINDS CO., Wolf and 7th North Sts., Syracuse, N. Y.—Branch Offices: W. R. Major, Jr., Regional Manager, 870 Brannan St., San Francisco; H. L. White, 510 Petroleum Bldg., Los Angeles; F. A. Waker, 406 N. W. 12 Ave., Portland; L. F. Busse, 1056 4th Ave. So., Seattle; T. J. Vieau, 303 Majestic Bldg., Denver; F. F. House, 302½ W. Central Ave., Albuquerque.

CRUCIBLE STEEL CO. OF AMERICA, 405 Lexington Ave., New York City—Branch Offices: H. G. Bain, Manager, 2050 Bryant St., San Francisco 10; P. F. Harris, Mgr., 1207 Santa Fe Ave., Los Angeles 21; R. L. Stark, Mgr., 2635 Walnut St., Denver; D. R. Meslang, Mgr., 2755 1st Ave. So., Seattle 4.

CURTIS LIGHTING, INC., 6135 W. 65th St., Chicago, Ill.—W. K. Turner, Terminal Sales Bldg., Seattle 1; E. C. Dunn, 150 Park Place, Littleton, Colo.; F. H. Simmer, 1406 S. Akard St., Dallas 1; J. D. Erikson, 119 New Montgomery St., San Francisco. (See adv., page 3.)

CUTLER-HAMMER, INC., 315 N. 12th St., Milwaukee, Wis.—Branch Offices: 2130 3rd St., San Francisco; 1795 Pasadena Ave., Los Angeles 31; 2737 4th Ave., Seattle 4; 165 S. 1st West, Salt Lake City; 208 S.W. Stark St., Portland 4; 1526 Blake St., Denver 2.

D O INDUSTRIAL PRODUCTS, 542 S. Dearborn St., Chicago 5, Ill.—Fred D. Benz Co., 444 Brannan St., San Francisco 7.

DV WELDING CONTROLS, 2959 Piedmont Ave., Oakland 11, Calif.

DANIELSON MFG. CO., Danielson, Conn.—Harry E. Marshall, 104 Olive St., San Francisco 9.

DAVIS MFG. CO., Plano, Ill.—Pete Bach Electric Co., 1233 N.W. 12th Ave., Portland; D. A. Stienkamp Co., 2400 Gaylord St., Denver.

DAY-BRITE LIGHTING, INC., 5411 Bulwer Ave., St. Louis 7, Mo.—H. B. Squires Co., 156 8th St., San Francisco; M. J. Rudman, 1206 Long Beach Ave., Los Angeles; R. M. Camnitz, P.O. Box 4166, Portland; E. B. Bomar, P.O. Box 1602, Phoenix; Thermal Eng. Co., P.O. Box 446, Salt Lake City; C. D. Belt Co., 1921 Blake St., Denver.

DAYTON ELECTRIC MFG. CO., 740 W. Adams, Chicago, Ill.—W. W. Grainger, Inc., in following cities: 519 Potrero Ave., San Francisco; 311 S. San Pedro, Los Angeles; 316 Occidental, Seattle; 322 W. 2nd Ave., Spokane; 613 N.W. Davis St., Portland; 163 W. South Temple, Salt Lake City.

DAYTON PUMP & MFG. CO., 500 N. Webster St., Dayton, Ohio—Factory Sales Representatives: Edwin P. Cook, 1863 Wazee St., Denver; Faguin & Story, 1140 Redwood Highway, Grants Pass, Ore.; Wm. N. Scott, 7575 Potomac, Riverside, Calif.

DAYTON RUBBER CO., 2342 Riverview Ave., Dayton, Ohio—Branch Office: M. E. Runner, 909 E. Slauson Ave., Los Angeles.

DEEPFREEZE APPLIANCE DIV., Motor Products Corp., 2301 Davis St., North Chicago, Ill.—Branch Office: R. F. Harnish, District Manager, 1355 Market St., San Francisco; J. G. Watts, District Manager, Seattle; sold thru leading distributors in all cities.

DELTA ELECTRIC CO., 33rd and Nebraska Sts., Marion, Ind.—Lynn & Brooks, 2048 Market St., San Francisco; 3055 Wilshire Blvd., Los Angeles, and 9231 N. E. Mason St., Portland.

DELTA-STAR ELECTRIC CO. (Div., H. K. Porter Co., Inc.), 2437 Fulton St., Chicago 12, Ill. —Kirk-Palka Co., 420 Market St., San Francisco 11, and 415 Wall St., Los Angeles 13; W. R. Hendrey Co., 1013 Smith Tower, Seattle 4; Mountain States Machinery Co., 1526 Blake St., Denver 2; I. E. Cope Co., 601 Southland Life Bldg., Dallas 1, and 2009 Fannin St., Houston 8; A. J. Elggren & Sons Co., 428 S. West Temple St., Salt Lake City 13. (See adv., p. 11.)

DESERT AIR LAMP—(See McCall's Desert Air).

DESPATCH OVEN CO., 611 S.E. 8th St., Minneapolis, Minn.—Lombard Smith, 714 W. Olympic Blvd. Los Angeles 15.

DETECT-O-RAY COMPANY, 2682 N. Halsted St., Chicago 14, Ill.—James P. Hermans Co., 1234 Folsom St., San Francisco; C. H. Mitchell Co., 769 Venice Blvd., Los Angeles 15; Ronald G. Bowen, 1896 S. Humboldt St., Denver 10.

DETJEN CORPORATION, 303 W. 42nd St., New York 18, N. Y.—W. W. Kirby, P.O. Box 124, Vernon Branch, Los Angeles; H. Kirby, 141 W. Avenidos de Lobas Marinos, San Clemente, Calif. Sold thru all General Electric Supply Corp. Houses.

DETROIT ELECTRIC FURNACE, Div. Kuhlman Elec. Co., 1000 26th St., Bay City, Mich.—C. P. Crowley, 117 W. 9th St., Los Angeles; Fred G. Guthrie, 420 Market St., San Francisco; Wm. J. Cottrell, 309 S.W. 3rd St., Portland 4.

DETROIT LUBRICATOR CO., 5900 Trumbull Ave., Detroit, Mich.—E. J. O'Connell, 6711 Sunset Blvd., Los Angeles 28; D. J. Gott, 1111 Academy Ave., Belmont, Calif.; L. O. Grauer, 618 2nd Ave., Seattle 4. P. E. Boucher, P. O. Box 1953, Denver 1.

DEWALD RADIO MFG. CORP., 35-15 37th Ave., Long Island City, N. Y.—Dave M. Lee Co., 2626 Second Ave., Seattle

DEXTER COMPANY, THE, 506 N. 9th St., Fairfield, Iowa—Globe Electric Co., 562 1st Ave. So., Seattle; Spokane Paper & Stationery Co., 152 S. Jefferson, Spokane; Harry L. Shane, Inc., 160 W. 33rd St., Los Angeles; Central Supply Co., 838 S.W. First Ave., Portland; J. Vear Hansen, 547 Douglas, Salt Lake City; J. J. Lukanish Co., 1355 Market St., San Francisco; Clyde Allen Co., 1355 Market St., San Francisco

DIAL LIGHT CO. OF AMERICA, INC., 900 Broadway, New York City—Harry A. Lasure Co., 2216 W. 11th St., Los Angeles 6; Berthold Sales Company, P. O. Box 1052, Dallas; George D. Norris Co., 3010 1st Ave., Seattle 1.

DIAMOND POWER SPECIALTY CORP., P. O. Box 415, Lancaster, Ohio—Branch Office: C. C. Moore & Co. Engrs., 450 Mission St., San Francisco; 409 Luhrs Bldg., Phoenix; 1119 Failing Bldg., Portland; 417 Smith Tower, Seattle 4; 1111 Wilshire Blvd., Los Angeles 11.

DIAMOND SAW WORKS, INC., 260 Court St., Buffalo, N.Y.—Central Chain Trans. 709 So. First St., Yakima; Electric Supply & Fixture, Walla Walla; Luce Ind. Tool Supply Co., 2410 1st Ave. So., Seattle; Globe Electric, 307 First Ave. So., Seattle; Tacoma Screw Products, 2004 Center St., Tacoma; Wall Lundberg Co., 1724 Pacific Ave., Tacoma; Home Electric, Tacoma; Wall Lundberg, 961 N. Loring, Portland.

DICKE TOOL CO., Downers Grove, Ill.—Maydwell & Hartzell, Inc., 158 11th St., San Francisco; 427 W. 5th St., Los Angeles; 306 Dexter Ave., Seattle; 1238 N.W. Glisan St., Portland; 814 Paulsen Bldg., Spokane 8; 6710 No. 15th St., Phoenix.

DIEHL MFG. COMPANY, Finderne Plant, Somerville, N. J. — De Laval Steam Turbine Co., 160 Folsom St., San Francisco 5. Albert S. Knight Co., 3010 Western Ave., Seattle 1.

DIELECTRIC PRODUCTS CO., 50 26th St., Pittsburgh, Pa.—Tri-State Supply Corp., 544 S. San Pedro St., Los Angeles, and 318 Occidental Ave., Seattle; Hodges & Glomb, 1264 Folsom St., San Francisco.

competent engineering...
dependable products...
ample facilities...

Specify **Cramer**
TIME CONTROL INSTRUMENTS
•
SYNCHRONOUS MOTORS

INTERVAL TIMERS

PERCENTAGE TIMERS

TIME DELAY RELAYS

RUNNING TIME METERS

Cramer engineering and manufacturing facilities are devoted exclusively to production of highest quality devices for an extremely wide range of time control functions.

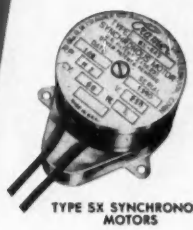
In addition to standard types and variations, a few of which are illustrated, we are equipped to produce equipment specially designed for specific applications, including hermetically sealed instruments to meet U. S. Government requirements concerning temperature, humidity, altitude, vibration, acceleration, dust and fungus proofing, etc.

Exceptionally experienced and well equipped engineering and test departments are a feature of Cramer service . . . backed by ample facilities for quality production.

HERMETICALLY SEALED INSTRUMENTS
for Military and Industrial Services

THE R. W. CRAMER COMPANY, INC.
Box 15, Centerbrook, Connecticut

Western Representatives
Herman E. Held, 120 Main St., San Francisco 5
Milton A. Stolaroff, 4135 Degnan Blvd., Los Angeles 8
Fred W. Carlson, 2307 5th Ave., Seattle 1
J. E. Edstrom, 607 Portland Trust Bldg., 319 S. W. Washington St., Portland 4
Allen I. Williams Co., 230 Cooper Bldg., 1009 17th St., Denver 2



TYPE SX SYNCHRONOUS MOTORS

Dependable, constant speed performance with exceptionally high torque makes the basic Cramer Type SX Permanent Magnet Synchronous Motor your best possible choice for instrument and control applications.

7CR52

DINGS MAGNETIC SEPARATOR CO., 4740 W. Electric Ave., Milwaukee, Wis.—Samson Sales Co., 420 Market St., San Francisco; A. W. Nash, 3312 W. Vernon Ave., Los Angeles; Hathaway-Thurlow Co., 706 Jones Bldg., Seattle.

DIVISION LEAD CO., 836 N. Kinzie St., Chicago, Ill.—Standard Wire and Cable Co., 9608 Venice Blvd., Culver City, Calif.

DOLPH, JOHN C., CO., New Road, Monmouth Junction, N.J.—Joslyn Pacific Co., 180 Potrero Ave., San Francisco, and 5100 District Blvd., Los Angeles; H. S. Emanuels, 1736 1st Ave. So., Seattle.

DOMINION ELECTRIC CORP., 150 Elm St., Mansfield, Ohio—Waisbren & Levinson, 1159 So. Broadway, Los Angeles; Todd Brothers, Santa Fe Bldg., Dallas; Medill Sales, 802 12th St., Denver.

DONGAN ELECTRIC MFG. CO., 2987 Franklin, Detroit, Mich.—Keeler-White Co., 615 Seventh St., San Francisco; 1041 Sixth Ave. So., Seattle; 422 N.W. Fourth Ave., Portland, 204 Keith Bldg., Denver; H. H. Van Luven, 537 Ceres Ave., Los Angeles.

DORMEYER CORP., 4300 N. Kilpatrick Ave., Chicago, Ill.—W. W. Wheat & Sons, 560 First Ave. South, Seattle; Fred C. Wood Co., 1355 Market St., San Francisco; Nelson R. Thomas Agency, P. O. Box 509, Main office, Los Angeles.

DOW CORNING CORP., Midland, Mich.—Branch office: 1514 So. Hope St., Los Angeles. J. J. Tyner, Western Mgr. Representatives—C. D. LaMoree Co., 1325 San Julian, Los Angeles; 2221 Fourth St., Berkeley, Calif., 166 Jackson St., Seattle and 711 N. W. Everett, Portland; National Electric Coil Co., 3435 E. Ocean Ave., Long Beach, Calif; Tri-State Supply Co., 544 So. San Pedro Los Angeles; 554 Bryant St., San Francisco, and 318 Occidental, Seattle.

DOYLE VACUUM CLEANER CO., 225 Stevens S.W., Grand Rapids, Mich.—J. M. Duval, 1683 34th Ave., San Francisco 22; Harry C. Younger, 1170 Laurel St., Pasadena 2, W. T. Naylor, 150 S. Fourth West St., Salt Lake City 11; O. J. Thomas, 1018 Southeast 8th Ave., Portland 14.

DRAKE MFG. COMPANY, 1713 W. Hubbard St., Chicago, Ill.—Radio Product Sales Co., 1501 So. Hill St., Los Angeles, Calif.; Wm. J. Purdy Co., 79 Ninth, San Francisco; Fred H. Haight, 2217A 4th Ave., Seattle.

DREMEL MFG. CO., 2409 18th St., Racine, Wis.—James J. Backer Co., 2321 2nd Ave., Seattle 1.

DRIVER COMPANY, WILBUR B., 150 Riverside Ave., Newark, N. J.—Electrical Specialty Co., 316 11th St., San Francisco; 418 E. Third St., Los Angeles; 2406 First Ave., So., Seattle; 1015 21st St., Denver 2.

DRIVER-HARRIS CO., Middlesex St., Harrison, N. J.—Angus-Campbell, Inc., 5320 Santa Fe Ave., Los Angeles 58, and 917 Bryant St., San Francisco 3.

DRYDEN RUBBER DIV., Sheller Mfg. Corp., 1014 S. Kildare Ave., Chicago, Ill.—R. C. Brinkley, 1008 Western Ave., Seattle.

DULANE, INC., 1900 N. River Road, River Grove, Ill.—C. I. Perry, Jr., Western Sales Mgr., 420 Market St., San Francisco. Representatives—Pete Plakos, 420 Market St., San Francisco; Robert Harris, 1161 Plymouth Blvd., Los Angeles 8; D. H. Sluman, 130 W. 12th Ave., Denver; Black Simmons, 5025 S.E. 69th St., Portland.

DUMONT LABORATORIES, INC., Allen B., 750 Bloomfield Ave., Clifton, N.J.—W. C. Hitt Co., 1355 Market St., San Francisco and 1169 So. Broadway, Los Angeles; J. T. Hill Sales Co., 800 W. 11th St., Los Angeles.

DUMORE COMPANY, 1300 17th St., Racine, Wis.—Fred Cary, 26 W. Terrace St., Altadena, Calif.

DUNCAN ELECTRIC MFG. CO., 244 S. 3rd St., Lafayette, Ind.—C. C. Blecksmith, 164 S. Central Ave., Los Angeles 12; Eicher & Co., 263 Colman Bldg., Seattle; United Electric Supply Co., 117-119 W. 4th South St., Salt Lake City; Paul A. Douden Co., 1645 Wazee St., Denver; Osborne & Kitchen, Box 1831, Reno Nev.; A & A Supply Co., Box 1516, Albuquerque; W. H. Eddy Elec. Products, Inc., Box 1428, Phoenix. (See adv., page 55.)

DURA ELECTRIC LAMP CO., INC., 64 E. Bigelow St., Newark, N. J.—Eckert-Lloyd Co., 2115 S. San Pedro St., Los Angeles; 144 Townsend St., San Francisco; L. M. Baxter, 1220 S.W. Stark St., Portland.

DURAKOOL, INC., 1010 N. Main St., Elkhart, Ind.—H. S. Jones, 237 Rialto Bldg., San Francisco; R. Meusdorffer, 1315 E. 7th St., Los Angeles; Gillette & McLaren, Sherlock Bldg., Portland, and 407 Smith Tower, Seattle.

DURALUX COMPANY, 770 Spruce St., Wooster, Ohio—Harry Henkel Associates, 439 Ellis St., San Francisco 3; Willis I. Gelder, 1842 Hooker St., Denver 2.

DURO-TEST CORP., 2321 Hudson Blvd., North Bergen, N. J.—Hallie Price, 444 Market St., San Francisco; L. W. Kiff, 5036 37th N.E., Seattle 5.

DYNAMATIC CORP., 3307 14th Ave., Kenosha, Wis.—T. C. Caskey, 1736 First Ave. So., Seattle 4; Charles E. Klaus, 1004 S.E. Belmont, Portland 14; Monarch Supply Co., 546 Howard St., San Francisco; Sierra Industries, Inc., 2038 Sacramento St., Los Angeles 21.

EAGLE ELECTRIC MFG. CO., INC., 23-10 Bridge Plaza South, Long Island City, N. Y.—C. J. Gratiot & Sons, 1282 Folsom St., San Francisco; R. F. Gratiot, 525 S. Crocker St., Los Angeles; M. Levin, 2438 S. W. 4th Ave., Portland 7.

EAGLE MFG. CO., Div. of Four Wheel Drive Auto Co., Appleton, Wis.—Branch Offices: FWD Pacific Co., 469 Bryant St., San Francisco; FWD Pacific Co., 2700 So. Broadway, Los Angeles. Represented in other territories by Graybar Electric Co.

EAGLE MFG. COMPANY, Wellsburg, West Va.—Gillette & McLaren, 309 S.W. Third Ave., Portland 4, and 4th and Cherry Bldg., Seattle; J. J. Brown Co., 206 S. Spring St., Los Angeles 12, and 420 Market St., San Francisco 11.

EAGLE SIGNAL CORPORATION, 202 20th St., Moline, Ill.—Bernard S. Hundley, 3532 Fletcher Drive, Los Angeles 65; Leo Proby, 422 Smith Tower, Seattle 4; Instrument Sales, 2137 Second Ave., Seattle 1; Sherman Nabaum, 4777 S. 13th East, Salt Lake City 7; Campbell & George Co., 379 Brannan St., San Francisco 7; Peterson Co., 4949 Colorado Blvd., Denver 16; L. F. Church Co., 750 Natoma St., San Francisco; Fred H. Gades, Jr., P. O. Box 688, Boulder, Colo.

EASTERN FIXTURE CO., INC., 170 Vernon St., Boston 20, Mass.—L. J. Sullivan Co., 5225 Wilshire Blvd., Los Angeles.

EASTERN SPECIALTY CO., 3617 N. 8th St., Philadelphia, Pa.—Ken H. Best, 541 First Ave. So., Seattle 4; C. C. Blecksmith, 164 S. Central Ave., Los Angeles 12; Sales Engineers, Inc., 1440 11th St., Denver 4; J. E. Rogers, 102 Thomas Bldg., Dallas 1.

EASTERN TUBE & TOOL CO., INC., 75 Onderdonk Ave., New York City—Fred E. Staible & Sons, 2046 Arapahoe St., Denver 2; The McLoughlin Co., P. O. Box 3255, Los Angeles 54; Keeler, White Co., 615 Seventh Ave., San Francisco 3; Bruce-Emmett Co., 830 S.E. Alder St., Portland, and 1016 First Ave. So., Seattle 4.

EASY WASHING MACHINE CORP., Solar, Spencer & Clinton Sts., Syracuse, New York—Branch Offices: 1355 Market St., F. S. Fenton, Jr., Divisional Mgr., San Francisco 3; Dist. Mgrs., Walter Alfonse, 8915 N.E. Prescott St., Portland; W. K. Kuhn, 2005 Ocean Blvd., Balboa, Calif.; Edward G. Mack, 8300 Ramsgate Ave., Los Angeles 45; J. J. Marshall, 1355 Market St., San Francisco; Bernard Morris, 21257 Hobart St., Castro Valley, Calif.; A. C. Smith, 958 Hartzell St., Pacific Palisades, Calif.; Donald B. Wallrich, 2840 Claire Court, Sacramento; Jack C. West, 6817 55th Ave. N.E., Seattle.

EBCO MANUFACTURING CO., 401 W. Town St., Columbus, Ohio—Duane R. Larrabee, 8901 McConnell Ave., Los Angeles 45; W. H. Connors, 1590 Eudora St., Denver; Leo J. Freitas, 4801 Lemmon Ave., Dallas 2.

ECONOLITE CORP., 3517 West Washington Blvd., Los Angeles, Calif.—Branch Office: 1893 Mission St., San Francisco; Pacific Bldg., Salem, Ore.

ECONOMASTER SALES, INC., 128 8th Ave. No., Nashville, Tenn.—The O. B. Wilt Co., 1355 Market St., San Francisco. Sold thru leading distributors and jobbers.

ECONOMY FUSE & MFG. CO., 2717 Greenview Ave., Chicago, Ill.—Branch Offices: G. T. Bryant and H. B. Brown, Jr., 786 Natoma St. at 9th, San Francisco 3; C. H. Bluske, 5100 Ambrose Ave., Los Angeles 27; G. H. A. Gustafson, 6231 N. Interstate, Portland 11; P. B. Giberson, 4321 Linden Ave., Apt K., Seattle 3. (See ad., p. 16)

EDISON, INC., THOMAS A., Lakeside Ave., West Orange, N. J.—The Ediphone Co., 919 Second Ave., Seattle 44, 525 First Ave., Spokane 8, 214 Burns Vault Bldg., Denver 2, and 516 W. Copper, Albuquerque, N. M.; Farrington Service, 305 S.W. 5th Ave., Portland; George E. Montgomery Co., 1344 W. Olympic Blvd., Los Angeles 15; Ward Harris, Inc., 555 Market St., San Francisco 5; Syms-York Co., 2401 Main St., Boise, Ida.; ZCMI, 57 S. State St., Salt Lake City; The Mailing Shop & Office Supply, 12 Third St. N., Great Falls, Mont.

EDWARDS COMPANY, E. H., 625 Market St., San Francisco, Calif.—Branch Offices: Los Angeles, Portland and Seattle.

EDWARDS COMPANY, INC., Norwalk, Conn.—R. L. Kempston, 617 7th St., San Francisco; H. M. Pomeroy, 1004 E. Fourth St., Los Angeles 13; Elmer Johnston, 209 Hyde Bldg., Spokane; D. A. King, 220 Regal Bldg., Portland; F. A. Strohecker, 2207 First Ave. South, Seattle 4; A. E. Bacon, 3327 Brighton Bldg., Denver 5; Wynn Snoots, Santa Fe Bldg., Dallas 2; 2009 Fannin St., Rm. 105, Houston 8.

Your Electrical Wholesaler has "ECONOMY DE-LAY" Renewable Fuses and Renewal Links in stock.

5341 EER

ECONOMY FUSE AND MFG. CO., 2717 GREENVIEW AVE., CHICAGO 14, ILLINOIS REPRESENTATIVES IN ALL PRINCIPAL CITIES

C. H. Bluske, 5100 Ambrose Ave., Los Angeles 27, Calif.
G. T. Bryant, H. G. Brown, 780 Natoma St., San Francisco 3, Calif.
P. B. Giberson, 4321 Linden Ave., Seattle 3, Wash.
G. H. A. Gustafson, P. O. Box 766, Portland 7, Oregon

EFCOLITE CORP., Breunig Ave., Trenton, N. J.—J. D. Reynolds, 3201 Dos Palos Dr., Los Angeles; Pete Bach, 1233 N.W. 12th St., Portland.

EFFICIENCY ELECTRIC & MFG. CO., Park Ave., Extension, East Palestine, Ohio—Sold thru Westinghouse Electric Supply, Graybar and General Electric Supply in all principal cities.

EITEL-McCULLOUGH, INC., San Bruno, Calif.—Herb Becker, 1406 S. Grand Ave., Los Angeles; Dave M. Lee, 819 Thomas St., Seattle; W. Clif McLoud, 5528 E. Colfax, Denver.

EJS CORP., 945 E. Pico Blvd., Los Angeles, Calif.—Panama Lamp & Commercial Co., 815 Howard St., San Francisco; 326 So. San Pedro, Los Angeles; 568 1st Ave. So., Seattle.

ELECTRA INSULATION CORP., 33-30 57th St., Woodside, N.Y.—Tri-State Supply Corp. in following cities: 544 S. San Pedro St., Los Angeles; 554 Bryant St., San Francisco; 318 Occidental Ave., Seattle.

ELECTRA MOTORS, INC., 1110 N. Lemon St., Anaheim, Calif.—Kern Elec. Dist., Box 1754, Bakersfield; Valley Foundry & Mach. Works, 2718 E Ave., Fresno; Hindley Equip. Co., 50 Hawthorne St., San Francisco; Monarch Supply Co., 546 Howard St., San Francisco; The Adam-Hill Co., 244 9th St., San Francisco; Orchard Supply, 720 W. San Carlos St., San Jose; Smallcomb Elec., 1120 So. Main, Los Angeles; Sierra Industries, 2038 Sacramento St., Los Angeles; Hill Elec., 580 Mateo St., Los Angeles; J. W. Minder Chain & Gear Co., 6011 So. Central, Los Angeles and 307 S. E. Hawthore Blvd., Portland; Central Chain & Transmission Co., 709 S. First St., Yakima; Caskey Eng. Co., 1736 First Ave. S. Seattle 4.

ELECTRIC-AIRE ENG. CORP., 209 W. Jackson Blvd., Chicago, Ill.—Branch offices: E. W. Hoeppner, 575 Pierce St., San Francisco, A. S. Hewitt, 1512 N Street, Sacramento; J. C. Hugunin, 1040 S. Grandview, Los Angeles; S. Harrison, 753 N. 73rd St., Seattle.

ELECTRIC CONTROLLER & MFG. CO., 2700 E. 79th St., Cleveland 4, Ohio— T. R. Routh Co., 742 Market St., San Francisco; J. B. Ambler, Denver National Bldg., Denver 2; Thomas Machinery Co., 2500 W. 6th St. Bldg., Los Angeles; Riter Engineering Co., Kearns Bldg., Salt Lake City; Shaffer and Nelson, 312 Occidental Ave., Seattle 4; 1215 N. W. Everett St., Portland 9; 801 Realty Bldg., Spokane 8.

ELECTRIC CORDS & SUPPLY CO., 413 E. 3rd St., Los Angeles, Calif.—W. E. Wallace, 144 Townsend St., San Francisco; 3546 Lincoln Ave., Oakland.

ELECTRIC FLY SCREEN CO., INC., 430 W. Hoffman Ave., Lindenhurst, L. I., New York—Gilbert Hammond, 408 Allen Ave., Glendale, Calif.

ELECTRIC MACHINERY MFG. CO., 1331 Tyler St. N.E., Minneapolis, Minn.—Branch Offices: A. C. Petrich, 2603 Western Ave., Seattle; H. B. Tinling, East 706 Sprague Ave., Spokane; George R. Schulz, 1233 N.W. 12th Ave., Portland; F. G. Guthrie, 420 Market St., San Francisco; W. C. King, 912 E. 3rd St., Los Angeles; M. G. Mueller, 1644 Blake St., Denver; C. W. Silver, 550 W. 7th South St., Salt Lake City; J. E. Redmond, 625 W. Madison St., Phoenix.

ELECTRIC MOTOR CORP., Div. Howard Industries, Inc., 1215 State St., Racine, Wis.—Ralph K. Reid Co., 1911 W. 9th St., Los Angeles; Logan Sales, 530 Gough St., San Francisco; Dave M. Lee, 2626 2nd Ave., Seattle; Patterson & Co., Reserve Loan Life Bldg., Dallas.

ELECTRIC PRODUCTS CO., 1725 Clarkstone Road, Cleveland 12, Ohio—Hubert Kaub & Co., 1025 Santa Fe Dr., Denver; Chas. E. Klaus, 1004 S.E. Belmont, Portland 4; D. T. Elliott, 420 Market St., San Francisco 11; L. R. Muth, 2605 Western Ave., Seattle; Robt. A. Young & Co., 3901 San Fernando Rd., Glendale 4, Calif.

ELECTRIC SERVICE MFG. CO., 17th and Cambria Sts., Philadelphia, Pa.—Harry M. Euler Co., 225 S.W. First Ave., Portland; Dom Politeo, 547 Howard St., San Francisco; A. W. Arlin, 1812 W. Silver Lake Dr., Los Angeles; Franklin Sales Co., Security Life Bldg., Denver; Conely Eng. Co., 165 S. First West St., Salt Lake City; A & A Supply Co., P. O. Box 1516, Albuquerque.

ELECTRIC SPECIALTY CO., 211 South St., Stamford, Conn.—T. R. Routh Company, 742 Market St., San Francisco 2; W. Bert Knight, 10373 W. Pico Blvd., Los Angeles.

ELECTRIC SPRAYIT CO., 1415 Illinois St., Sheboygan, Wis.—Nickerson & Rudat, 381 Brannan St., San Francisco; Northwest Factory Agents, 205 Lenora St., Seattle 1; Eastman Pacific Co., 2320 E. 8th St., Los Angeles; L. D. Tuttle, 1711 Cochran St., Dallas.

ELECTRIC STEAM RADIATOR CORP., No. One Electric Ave., Paris, Ky.—Gladstone Williams & Associates, 708 N. La Cienaga Blvd., Los Angeles; Clyde Allen Co., 1355 Market St., San Francisco.

ELECTRIC STORAGE BATTERY CO., 42 So. 15th St., Philadelphia 2, Pa.—Branch Offices: 1043 S. Grand Ave., Los Angeles 15; 6150 Third St., San Francisco; 1919 Smith Tower Bldg., Seattle; 810 14th St., Denver 2.

ELECTRIC TACHOMETER CORP., 2220 Vine St., Philadelphia 3, Pa.—Pacific Scientific Co., 23 Stillman St., San Francisco; 1430 Grande Vista Ave., Los Angeles; 1915 First Ave. South, Seattle.

ELECTRICAL APPLIANCE SERVICE CO., 4238 Broadway, Oakland, Calif. (Little Giant Washer, formerly).

ELECTRICAL COMMUNICATIONS, INC., 765 Clementina St., San Francisco, Calif. — C. R. Strassner Co., Los Angeles.

ELECTRICAL ENGINEERS EQUIPMENT CO., 25th Ave. and Division St., Melrose Park, Ill.—H. B. Squires, 156 8th St., San Francisco; A. A. Barbera & Co., 311 N. Martel Ave., Los Angeles. Graybar Electric Co., Inc., other principal cities—King and Occidental Sts., Seattle; Park and Flanders, Portland; 14th and Idaho, Boise, 104 Wazee Market, Denver, and 434 W. Madison St., Phoenix; The Darger Co., 328 W. 2nd So. St., Salt Lake City.

ELECTRICAL FACILITIES, INC., 4224 Holden St., Oakland, Calif.—C. C. Blacksmith, 164 S. Central Ave., Los Angeles; Arthur E. Booth, 4124 Beverly Blvd., Los Angeles.

ELECTRICAL FITTINGS CORP., 37-50 57th St., Woodside, N. Y.—Bruce-Emmet Co., 618 N.W. Hoyt St., Portland, and 1016 1st Ave. So., Seattle; Robert R. Prussia Co., 224 Harriet St., San Francisco; The McLoughlin Co., 811 E. 14th Place, Los Angeles; L. S. Reed Co., 1018 Lawrence St., Denver; W. L. Clinton Co., 1201 Commerce St., Houston.

ELECTRICAL REACTANCE Corp., Seneca St., Olean, N. Y. —C. H. Mitchell Co., 1221 W. 11th St., Los Angeles 15.

ELECTRICAL REFRACTORIES CO., East Clark St., East Palestine, Ohio—E. A. Wilcox Co., 406 So. Main St., Los Angeles 13, and 277 7th St., San Francisco 3.

ELECTRO ENGINEERING WORKS, 6021 College Ave., Oakland 18, Calif.—C. B. Parsons, 119 Belmont Ave. North, Seattle.

ELECTRO LIFT, INC., 30 Church St., New York City 7—Irving G. King & Co., 821 Mateo St., Los Angeles 21; A. H. Coates Co., 420 Market St., San Francisco 5.

ELECTRO - LINE PRODUCTS CORP., 120 N. Broadway, Milwaukee, Wis.—Amos C. Corson, 310 Concord Bldg., Portland 4.

ELECTROLUX, INC., 500 5th Ave., New York City—Branch Office: 417 Montgomery, San Francisco.

ELECTRO MFG. CORP., 2000 W. Fulton St., Chicago, Ill.—Mr. Nelson English, c/o Wiant Prod. Co., 1231 N. W. Hoyt St., Portland, Ore.; Keeler, White Co., 204 Keith Bldg., Denver.

ELECTROMODE CORP., 45 Crouch St., Rochester, N. Y.—Russell & Co., 1355 Market St., San Francisco; J. E. Shull, 350 So. Central Ave., Los Angeles; John W. Ladlow, P. O. Box 1784, Phoenix; R. C. Boscoe; 9520 44th St., N.E., Seattle; James E. Gray Co., P. O. Box 1019, Denver 1.

ELECTRON CORP., 5200 So. Santa Fe Drive, Denver, Colo.

ELECTRON EQUIPMENT CORP., 917 Meridian Ave., South Pasadena, Calif.—Industrial Associates, Inc., 8845 Olympic Blvd., Beverly Hills, Calif.

ELECTRONIC MECHANICS, INC., 70 Clifton Blvd., Clifton, N. J.—Electrical Specialty Co., 316 Eleventh St., San Francisco; 418 E. Third St., Los Angeles; 1015 21st St., Denver; 2406 1st Ave. So., Seattle; Lawrence M. Harris, 2430 Anzio Dr., Dallas, and Edward F. Aymond Co., 4310 Maple Ave., Dallas.

ELECTRONIC SIGNAL CO., Inc., 541 Willis Ave., Williston Park, N. Y.—Toumey Electric & Eng. Co., 115 Steuart St., San Francisco.

ELECTRONIC SPECIALTY CO., Shavex Division, 3456 Glendale Blvd., Los Angeles 39, Calif.—Electric Supplies Distributing Co., San Diego and Santa Ana, Calif., Eoff Electric Co., Eugene, Portland, and Salem, Oregon; Gough Industries, Los Angeles, Bakersfield, Long Beach, San Diego, Santa Barbara, Phoenix; Leo J. Meyberg Co., Los Angeles, Fresno and San Francisco; and General Electric Supply, Graybar, and Westinghouse Electric Supply, all principal cities.

ELECTRO SWITCH CORP., 193 Broad St., Weymouth 88, Mass.—E. B. Cook, 1063 Howard St., San Francisco 3.

ELECTRO - VOICE, INC., Carroll and Cecil Sts., Buchanan, Mich.—A. J. Hitt, 1355 Market St., San Francisco; Milton D. Ealy, 633 So. LaBrea, Los Angeles 36; George D. Norris Co., 3010 First Ave., Seattle 1; W. Clif McLoud & Co., 5522 East Colfax Ave., Denver 7.

ELECTRO - TECHNICAL PRODUCTS DIV., Sun Chemical Corp., Nutley 10, N.J.—Tri-State Supply Corp., 554 Bryant St., San Francisco 7; 544 S. San Pedro St., Los Angeles; 318 Occidental Ave., Seattle.

ELGO SHUTTER & MFG. CO., 2738 West Warren Ave., Detroit, Mich.—May-Air Co., 1301 10th St., Modesto, Calif.; A. A. Maycock Co., 234 7th St., Salt Lake City.

ELLIOTT CO., N. Fourth St., Jeannette, Pa.—Branch Offices: W. R. Dunn, Mgr., 1504 Russ Bldg., San Francisco 4; V. A. Peterson, Mgr., 714 W. Olympic Blvd., Los Angeles 15; H. R. Bushley, Mgr., 1101 Vance Bldg., Seattle 1; F. E. Nutt, Mgr., 725 U. S. National Bank Bldg., Denver 2 and L. O. Ruud, Mgr., 1305 Terminal Sales Bldg., Portland 5. Crocker Wheeler motor line distributed by leading distributors all principal cities.

ELPECO, Bethlehem, Pa. (Formerly Elec. Power Equipment Co.)—C. E. Ingalls, Monadnock Bldg., San Francisco; L. W. Thompson, 232 So. Hill St., Los Angeles; Fred Carlson, 2307 5th Ave., Seattle; R. F. Hamilton & Associates, Denver.

ELRECO CORPORATION, 2900 Cormany St., Cincinnati 25, Ohio—Dom. Politeo, 547 Howard St., San Francisco; A. W. Arlin, 1812 W. Silver Lake Dr., Los Angeles; J. W. Watkins, 551 Skinner Bldg., Seattle 1; Hendrie & Bolthoff Co., 1635 Seventeenth St., Denver 17; Frobes Co., 156 W. 4 South St., Salt Lake City 17; Union Supply Co., 1920 Market St., Denver 2.

ELWELL - PARKER ELECTRIC CO., 4252 St. Clair Ave., Cleveland 3, Ohio—Colby Steel & Mfg. Co., 3155 Elliott Ave., Seattle 4; I. G. Perin Co., 575 Howard St., San Francisco 5, and 6529 Rita Ave., Huntington Park, Calif.

ELK-MANSTER, INC., 601 E. Crosier, Akron, Ohio—Southern Sales Co., 1100 E. Colorado, Pasadena, Calif.; E. G. Kent, 631 Pollard Road, Campbell, Calif.

EMERSON ELECTRIC MFG. CO., 8100 Florissant Ave., St. Louis 21, Mo.—West Coast States: Mr. R. E. Bretscher, 1860 La Loma Road, Pasadena, Calif. Sold thru leading distributors in all principal cities.

EMERSON RADIO & PHONOGRAPH CORP., 111 Eighth Ave., New York City 11—David J. Hopkins, 13734 Erwin St., Van Nuys, Calif.; Charles O'Neill Weisser, S.W. 415 Montgomery St., Portland 1.

EMPIRE CORP., 143 E. Greenfield Ave., Milwaukee, Wis. — Power Generating Plants, 801 Coast Hiway, Newport Beach, Calif.; Nourse Equip. Co., 1530 Wood St., Oakland 7.

EMPIRE APPLIANCE CO., 37-08 Northern Blvd., Long Island City 1, N. Y.—Les Taufenbach Co., 515 Architects Bldg., Los Angeles, and 1355 Market St., San Francisco; Don H. Burcham Co., 2530 Warren Ave., Seattle.

ENAMELED METALS CO., 61 Bridge St., Etna, Pittsburgh 23, Pa.—Keeler, White Co., in following cities: 615 7th St., San Francisco 3; 1041 Sixth Ave. So., Seattle 4; S. 121 Madison St., Spokane 8; 322 N.W. Fourth Ave., Portland 9; Allied Industries, 412 Seaton St., Los Angeles 13; Fred E. Stabile & Sons, 2046 Arapahoe St., Denver 2; Fred H. Simmer Co., 1431 Levee St., Dallas 1.

ERICO PRODUCTS, INC., 2070 E. 61st Pl., Cleveland, Ohio—Northern Calif. and Nev., K. M. Ryals Co., 461 Market St., San Francisco 5; So. Calif., Andrey Co. Inc., Colorado, So. Ida., eastern Mont., Wyo., Landes, Zachary & Peterson, 272 S. Santa Fe Dr.,

Denver; No. Idaho, Western Mont. and Washington, Cascade Distributors, Inc. Arc Welding sold by leading distributors; Railroad Bonds sold direct.

ERICSON MFG. CO., THE, 5209 Euclid Ave., Cleveland 3, Ohio—Walter E. Wallace Co., 3546 Lincoln Ave., Oakland 2, Calif.; W. A. McGuire, 923 E. Third St., Los Angeles 13; F. L. Guenther, 2216 First Ave., Seattle 1.

ERIE ELECTRIC CO., INC., 120 Church St., Buffalo 2, N. Y.—Schueler & Weston, 923 E. 3rd St., Los Angeles 13; Campbell & George, 379 Brannan St., San Francisco 7.

ERIE RESISTOR CORP., 644 W. 12th St., Erie, Pa.—Warren H. Davis, 1054 Broxton Ave., Room 108, Los Angeles 24; David Ross Co., 1355 Market St., San Francisco; Allen I. Williams Co., 1009 17th St., Denver; Verner O. Jensen, 2616 Second Ave., Seattle; J. Y. Schoonmaker Co., 2011 Cedar Springs, Dallas 1.

ERIEZ MFG. CO., 683 Commerce Bldg., Erie, Pa.—C. D. Sutton, Inc., Los Angeles; O'Brien Ind. Equipment Co., 1295 Folsom St., San Francisco; Dick Dietrich, 1355 Market St., San Francisco; Woodriff Bros., Cooper Bldg., Denver 2; R. W. Bartley, P. O. Box 2868, Tucson; Brown-Steele Co., 1031 S. Haskell Ave., Dallas 2; Fred G. Greaves Co., 502 Polson Bldg., Seattle 4.

ESSEX WIRE CORPORATION, Fort Wayne, Ind.—Factory at Anaheim, Calif. Branch Offices in San Diego, Los Angeles, San Francisco, and Portland.

ESSEX WIRE CORP. OF CALIF., Anaheim, Calif.—District Offices and Warehouses: 2240 E. Washington Blvd., Los Angeles; 1077 Howard St., San Francisco; San Diego and 1702 N. E. Sandy Blvd., Portland.

EDWIN L. WIEGAND CO.
Chromalox Electric Heating Elements
PEERLESS ELECTRIC CO.
Exhaust Fans, Blower Units & Panels, Furnace Fans
ARK-LES SWITCH CORP.
Electric Switches
ELECTRIC CONTROLS, INC.
Thermostats
COMMERCIAL FILTERS CORP.
Fulflo Filters—For all liquid and gases
H. W. TUTTLE & CO.
Electric Heating Elements
IRON FIREMAN MFG. CO.
Heat Control Equipment
SAUEREISEN CEMENTS CO.
Technical Cements

Exclusively Represented in the Following Territory:
Washington, Oregon, Idaho, Western Montana, Utah, Nevada, Arizona and California

★ MONTGOMERY BROTHERS
SEATTLE 4 SAN FRANCISCO 3 PORTLAND 9 LOS ANGELES 11
911 Western Ave. 1122 Howard St. 1104 N.W. 15th Ave. 2113 S. San Pedro

Extra HOLDING POWER!

Dependable anchorage on all types of jobs. Quickly installed, tough, rust-resistant malleable iron means long life.

Available in two-way, three-way, four-way expanding anchors. Also cone type. All of malleable iron.

EVERSTICK ANCHORS...
EVERSTICK ANCHOR CO.
FAIRFIELD, IOWA

WESTERN DISTRIBUTORS
Joslyn Pacific Company, Los Angeles and San Francisco
Seattle and Portland
Graybar Electric Company, Inc., San Francisco and Denver
Westinghouse Electric Supply Company
Paul A. Douden Company and Hendrie & Bolthoff Company, Denver

ESSICK MFG. CO., 1950 Santa Fe Ave., Los Angeles, Calif.—Eric F. Chemnitz, 1355 Market St., San Francisco; Ed Hansen, 630 Security Bldg., Phoenix; A. B. Cline, 76 West 4th St. South, Salt Lake City; William H. Fuller, 1038 Palm Ave., Whittier, Calif.; J. W. Rice, 2800 Salado, Austin, Texas; J. O. Pike, 4030 Hastings St., El Paso; Ralph O. Hardesty, 1001 Westlake Ave. North, Seattle.

ESTATE STOVE CO., a subsidiary of Noma Electric Corp., Hamilton, Ohio—C. M. Christensen, Div. Mgr., Apt. 228B, West 36th Ave., Hillsdale, San Mateo.

ESTERLINE-ANGUS, INC., 1201 Main St., Indianapolis, Ind.—T. R. Routh Co., 742 Market St., San Francisco; A. A. Barbera, 311 N. Martel Ave., Los Angeles; George L. Hoffman, 3007 S.W. Nebraska St., Portland; J. E. Redmond Supply Co., P. O. Box 869, Phoenix; C. H. Spencer, P. O. Box 1054, Salt Lake City; W. J. Kantenberger Co., 722 S. Hampton Rd., Dallas; John T. Manry, 2001 Rosewood Ave., Houston; Eicher & Co., 263 Colman Bldg., Seattle.

EUCLID ELECTRIC & MFG. CO., 50 Edwards St., Madison, Ohio—P. J. Burrill, 2131 Washington Ave., San Leandro, Calif.; Rudy Ferda, P.O. Box 421, So. Pasadena, Calif.

EUREKA WILLIAMS CORP., Bloomington, Ill.—R. O. Boynton, Western Regional Manager, Branch Office—Los Angeles. Distributors: Leo J. Meyberg Co., Inc., 2027 S. Figueroa St., Los Angeles, and 33 Gough St., San Francisco; Gorman Eng. Co., Inc., 1701 Texas St., El Paso; Nick Schneider Co., 1009 S.W. 5th Ave., Portland; Harry Clark, 2228 N. Div. St., Spokane; A. E. Carter, 177 E. Broadway, Salt Lake City; Arizona Hardware Co., 47 E. Jackson, Phoenix; Taylor Dist. Co., 4148 First Ave. So., Billings, Mont.; Boyd Dist. Co., 29 W. 13th St., Denver, and 306 E. Lead St., Albuquerque.

EVERHOT MFG. CO., 57 S. 19th Ave., Maywood, Ill.—Los Angeles Stam & Stay, Co., 1500 S. Los Angeles St., Los Angeles; Patrick & Moise-Klinker Co., 560 Market St., San Francisco 4; C. O. Armstrong, 267 12th St., Oakland 7.

EVERSON ELECTRIC CO., 1126 Union Blvd., Allentown, Pa.—Dom Politeo, 546 Howard St., San Francisco 5; Electrical Specialty Co., 1015 21st St., Denver, 2.

EVERSTICK ANCHOR CO., 9th & Kirkwood St., Fairfield, Iowa—Joslyn Pacific Co., San Francisco, Los Angeles, Seattle and Portland; Graybar Electric Co., Inc., San Francisco, Denver; Westinghouse Electric Supply Co., and General Electric Supply Co., all principal cities; Paul A. Douden Co., and Hendrie & Bolthoff, Denver. (See adv. page 18.)

EXECUTONE, INC., 415 Lexington Ave., New York City—Executone Systems Co., 6 Cortland Ave., Fresno, Calif.; 2200 Marengo St., Los Angeles, and 1028 S.W. Third Ave., Portland; Brandenburg & Co., 404 Market St., San Francisco.

F.A.B. MFG. CO., 1249 67th St., Oakland 8, Calif.—R & J Dick Co., 510 Bryant St., San Francisco; Otrich Corp., 610 16th St., Oakland; N. W. Chains & Sprockets, Inc., 123 Pine St., Portland, and 3628 E. Marginal Way, Seattle; McConkey-Docker & Co., 126 W. Madison St., Phoenix, Ariz.; Renold-Coventry, Ltd., 1066 Seymour St., Vancouver, B. C.; Hendries & Bolthoff Co., 1635 17th St., Denver; Metropolitan Supply Co., 353 E. 2nd St., Los Angeles; Miller Machinery Co., 1151 W. Broadway, Missoula, Mont.; Industrial Sup. Co., 1647 W. 2nd St., Albuquerque; Bearing Supply, 1429 Van Ness Ave., Fresno; Hopper Machine Works, 2315 M St., Bakersfield.

FAIRBANKS, MORSE & CO., Fairbanks, Morse Bldg., Chicago 5, Ill.—Branch Offices: 630 3rd St., San Francisco 7; 4535 S. Soto Street, Los Angeles 58; Salmon Bay Terminal, Seattle 99; 105 S. E. Taylor, Portland 14; 1713 N. Market Street, Dallas 2.

FALCON EQUIPMENT CO., 1937 Williams Ave., New Brighton, Pa.—Montgomery Brothers in following cities: 1122 Howard St., San Francisco; 1104 N.W. 15th Ave., Portland; 911 Western Ave., Seattle, and 2113 S. San Pedro, Los Angeles.

FANNO TREE SAWS, 224 W. 8th Ave., Chico, Calif.—A. L. Dickson, 1259 Clark Road, Paradise, Calif.; Western Hardware & Tool Co., 122 10th St., San Francisco 3. (See adv., page 19.)

FANSTEEL METALLURGICAL CORP., 2200 Sheridan Rd., North Chicago, Ill.—Carl E. Holmes, P. O. Box 12695, Los Angeles.

FARGO MFG. CO., INC., 939 Main St., Poughkeepsie, N. Y.—Distributed by Line Material Co.: 916 E. 3rd St., Los Angeles; 107 Pittsburgh St., Dallas; 2125 Blake St., Denver; 101 Williams St., San Francisco; 1233 N.W. 12th Ave., Portland; 713 Peyton Bldg., Spokane; El Paso Saw & Belting Co., 1701 Texas St., El Paso.

FARIES MANUFACTURING CO., 1050 E. Grand Ave., Decatur, Ill.—Irving Samuels, 1419 So. La-Brea Ave., Los Angeles 19.

FARR COMPANY, P.O. Box 10187, Airport Stn., Los Angeles 43, Calif.

FARRELLOY CO., 1245 N. 26th St., Philadelphia, Pa.—Hodges & Glomb, Inc., 1264 Folsom St., San Francisco; O. W. Coombs, 1026 S. Olive St., Los Angeles.

FASCO INDUSTRIES, INC., N. Union at Augusta, Rochester, N. Y.—W. W. Wheat & Son, 560 1st Ave. So., Seattle; Russell & Co., 1355 Market St., San Francisco; J. E. Shull, 350 So. Central Ave., Los Angeles; J. V. Folsom Co., 301 N. Market St., Dallas; D. A. Steinkamp, 936 St. Paul St., Denver.

FAST & CO., John E., 3141 N. Crawford Ave., Chicago 41, Ill.—R. E. Cunningham & Son, 523 W. 6th, Los Angeles; David Hatton, c/o Pacific Wholesale Co., 961 N. Loring St., Portland 12.

FEDDERS-QUIGAN CORP., 57 Tonawanda St., Buffalo, N. Y.—G. R. Pizarro, 1517 Glendon Ave., W. Los Angeles.

FEDERAL ELECTRIC PRODUCTS CO., 50 Paris St., Newark 5, N. J.—Branch Office: L. P. Shelley, Western Div. Mgr., 2885 E. Washington Blvd., Los Angeles 23. W. E. Coburn, 317 Broadway, Oakland; Shaffer & Nelson, 312 Occidental Ave., Seattle 4; Shaffer & Nelson, Inc., 1215 N.W. Everett St., Portland; Shaffer & Nelson, 824 Realty Bldg., Spokane; Gaer-Florance and Associates, P.O. Box 396 East-Colfax Stn., Denver.

FEDERAL ENTERPRISES, INC., 8700 S. State, Chicago 19, Ill.—F. M. Nicholas Co., 140 Spear St., San Francisco; H. H. Van Luven, 537 Ceres Ave., Los Angeles; Bruce-Emmett Co., 1016 1st Ave. South, Seattle, and 830 S.E. Alder St., Portland; Fed-

eral Enterprises, Inc., of Texas, Signal Div., 1100 Canton St., Dallas, and 700 Waugh Drive, Houston.

FEDERAL SCREW PRODUCTS, INC., 224 W. Huron, Chicago 10, Ill.—Harry A. Lasure, 2216 W. 11th St., Los Angeles.

FEDERAL TELEPHONE AND RADIO CORP., 100 Kingsland Road, Clifton, N. J.—Don C. & Wm. H. Wallace (Vacuum Tubes only), 1206 Maple Ave., Los Angeles 15. All other products: Maydwell & Hartzell, Inc., 158 11th St., San Francisco 3; 427 W. 5th St., Los Angeles 13; 1238 N.W. Glisan St., Portland 9; 306 Dexter Ave., Seattle 4; 814 Paulsen Bldg., Spokane; 6710 N. 15th St., Phoenix.

FEEDRAIL CORPORATION, 125 Barclay St., New York City, N. Y.—C. A. D. Young, 726 Colorado Bldg., Denver 2; Allied Industries, 412 Seaton St., Los Angeles 13; E. A. Will, 534 1st Ave. South, Seattle 4; M. L. Fowler, 383 Brannan St., San Francisco; C. A. D. Young, 726 Colorado Bldg., Denver 2.

FELDMAN CO., 612 So. Wall St., Los Angeles 14, Calif.

FENWAL INCORPORATED, Ashland, Mass.—Beliiove Co., 420 Market St., San Francisco 11; Wiant Products Co., 1231 N.W. Hoyt St., Portland 9; Richards-Conant, 2415—15th St., Denver.

FERRANTI ELECTRIC, INC., 30 Rockefeller Plaza, New York City H. B. Squires Co., 156 8th St. San Francisco; Hockensmith Sales, 1264 S. Boyle Ave., Los Angeles; C. B. Anderson, P. O. Box 1836, Amarillo, Texas; Ed Warburg Co., 1207 E. 8th St., Los Angeles.

FIDELITY MACHINE CO., INC., 3908-18 Frankford Ave., Philadelphia, Pa.—H. M. Royal, Inc., 4814 Loma Vista Ave., Los Angeles 11.

FIDELITY TUBE CORP., 900 Passaic Ave., East Newark, N. J.—Les Taufenbach Co., 4860 Valley Blvd., Los Angeles, and 1355 Market St., San Francisco.

FILTEX CORP., 417-23 E. 15th St., Los Angeles, Calif.—Branch Offices: 5738 Crenshaw Blvd., Los Angeles; 3036 30th St., San Diego; 4000 Mission St., San Francisco; 403 E. Pike, Seattle 8; Hamilton Filtex Dist. Co., 108 E. Pierce St., Phoenix; K. G. Neal, 68 So. 2nd West, Salt Lake City.

FINDERS MANUFACTURING CO., 3669 S. Michigan Ave., Chicago, Ill.—W. L. Gelder & Co., 1842 Hooker St., Denver; Martin Van Brauman, 2011 Cedar Springs, Dallas; Harry W. Blacher, P.O. Box 474, San Mates, Calif.

FISHER-PIERCE CO., INC., 170 Pearl St., South Braintree, Mass. —Oscar Hogenson, 95 Connecticut St., Seattle; Charles E. Klaus, 1004 S. E. Belmont, Portland; E. V. Roberts & Associates, 5068 W. Washington Blvd., Los Angeles; Allen I. Williams, 1009 17th St., Denver; Maydwell & Hartzell, Inc., 158 Eleventh St., San Francisco; 427 W. 5th St., Los Angeles; 306 Dexter Ave., Seattle; 1238 N.W. Glisan, Portland; 814 Paulsen Bldg., Spokane; 6710 N. 15th St., Phoenix.

FLETCHER MFG. CO., 302 E. 2nd St., Dayton, Ohio—Thru electrical wholesale jobbers.

FLEXO MACHINES CO., 456 N. Aberdeen St., Chicago, Ill.—Kirk-Palka Co., 415 Wall St., Los Angeles 13, and 420 Market St., San Francisco.

FLEXO WIRE CO., INC., 70 W. First St., Oswego, N. Y.—A. B. Smedley, 470 E. Orange Grove, Pasadena, Calif.

FLEXONICS CORP. (formerly Chicago Metal Hose Corp.) 1315 S. Third Ave., Maywood, Ill.—C. W. Marwedel, 1235 Mission, San Francisco; L. A. Rubber & Asbestos Works, 124 E. 3rd St., Los Angeles; Munnell & Sherrill, 400 S. W. 1st, Portland 5; Moorlane Co., 1424 Market, Denver 2; Eight, Inc., 160 South 4th West St., Salt Lake City.

FLOOROLA PRODUCTS, INC., 540 Maryland Ave., York, Pa.—Leo J. Meyberg Co., 2027 S. Figueroa St., Los Angeles, and 33 Gough St., San Francisco: Denver Floor & Safety Co., 1441 Welton St., Denver; Electrical & Mechanical Supply Co., 708 N. Piedras St., El Paso.

FLORENCE STOVE CO., 205 School St., Gardner, Mass.—Branch Office: 471 Western Merchandise Mart (R. D. Nugent, Div. Mgr.) San Francisco; 301 N. Market St., Dallas. Mr. T. E. Cook, Div. Mgr.

FLUORESCENT FABRICATORS, 1825 Chouteau St., St. Louis, Mo. —M. Levin Dist., Co., 2438 S.W. 4th St., Portland; R. B. Haskell Co., 200 Davis St., San Francisco; R. A. Herren, P. O. Box 281, Alhambra, Calif.

FLUORESCENT FIXTURES OF CALIFORNIA, 3320 18th St., San Francisco, Calif.—Branch Offices: Milton A. Weiner, Dist. Mgr., 613 Imperial St., Los Angeles; M. W. Thomas, 4434 54th St., Sacramento; J. S. Kinnaird, Dist. Mgr., 1318 S. W. 1st Ave., Portland; W. G. Theisner, 422 Smith Tower, Seattle; F. L. Knudsen, P. O. Box 2750, Honolulu, T.H.

FLUORESCENT WIRING DEVICES, INC., 30 Tiffany Place, Brooklyn, N. Y.—Electri-Cal, 5455 Hollywood Blvd., Los Angeles; 27 and 2166 Market St., San Francisco 14; Pete Bach Electric, 1223 N.W. 12th Ave., Portland 9.

FOGEL REFRIGERATOR CO., 5400 Eadom St., Philadelphia, Pa.—S. E. Talbot, 143 W. 12th St., Los Angeles 15; Frank M. Siegmund, P. O. Box 152, Phoenix; Robert R. Slater, 915 Terminal Sales Bldg., Seattle.

FORDHAM MFG. CO., 2220 Pearsall Ave., New York City 67—James C. Pope, Jr., 1827 S. Hope St., Los Angeles.

FOREDOM ELECTRIC CO., 27 Park Place, New York City 7—G. M. Sullivan, 3108½ Yesler Way, Seattle; Denham Sales Service, 538 Folk St., San Francisco.

FORMICA CO., 4614 Spring Grove Ave., Cincinnati 32, Ohio—Glenn H. Taylor, 1151 Santee St., Los Angeles; A. E. Lilly, 907 Post St., San Francisco 9; H. C. Hanson, 102 Colman Ferry Terminal, Seattle 4.

FORSBERG MANUFACTURING CO., 125 Seaview Ave., Bridgeport, Conn.—Kenneth B. Komp, 1213 Quince St., San Mateo, Calif.

FORTUNE LAMP CO., 32 Maujer St., Brooklyn 6, N. Y.—H. L. Michaels, 1355 Market St., San Francisco.

FOSTER TRANSFORMER CO., 3820 Colerain Ave., Cincinnati, Ohio.—A. B. Murphy Co., 228 9th St., San Francisco.

FOSTORIA PRESSED STEEL CORP., Fostoria, Ohio—Manufacturers Marketing Service, P. O. Box 277, Menlo Park, Calif. Dis-

"FANNO" TREE and POLE SAWS

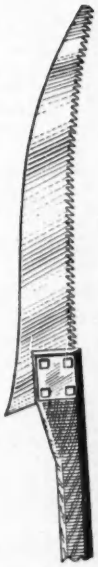
HAND FILED AND HONED FOR FAST, CLEAN CUTTING

"TREE SURGERY SAW" NO. 8
5½ Points to the Inch. 22" Cutting Edge. Designed for Tree Surgery and Pruning Use. (Davey Design.)

"ALL PURPOSE SAW" NO. 7
(Pacific Gas & Electric Co. Design)
6 Points to the Inch. 24 Inch Cutting Edge. Designed for Power Company and Heavy Rigging Use.

"BULL SAW" 30", 32", 34" CUTTING EDGE
Fast Cutting Lance Teeth. 4½ Points to the Inch. The Answer to all Heavy Duty Cutting Problems.

"FOLDING TREE SAWS" NO. 10
Designed for Off-the-Ground Use. Has Loop for Attaching to Belt. 20" Blade. 5½ Points Per Inch.



"POLE SAW" NO. 9
18 Gauge Special Formula Saw Steel. Fast Cutting Lance Teeth. 5 Points to the Inch. 18" Cutting Edge.

DISTRIBUTED BY

WESTERN HARDWARE AND TOOL CO.

122 10th ST., SAN FRANCISCO, CALIF.
"Write for **FREE** CATALOG No. 10"

tributor: Currier Co., Inc., 710 73rd St., Oakland, Calif., with offices in San Francisco, Los Angeles, Portland, Salt Lake City, Denver and Phoenix.

FOSTER WHEELER CORP., 165 Broadway, New York City 6—Branch Offices: 206 Sansome St., San Francisco; 714 W. Olympic Blvd., Los Angeles; 122 Elliott Ave. West, Seattle.

FOUCH ELECTRIC MFG. CO., 423 N.W. 9th Ave., Portland, Ore.—Sold thru elec'l jobbers.

FOUR WHEEL DRIVE AUTO CO., Clintonville, Wis.—Branch Offices, district supervisors: A. M. Dahm, 2550 Krameria St., Denver; Frank Vivian, 120 Occidental Ave., Burlingame, Calif.; Jack Kelly, 2212 Kathryn St., Pomona, Calif.; 1402 N. 13th St., Boise; 4626 S.E. Clinton Ave., Portland. Sold thru FWD distributors all principal cities.

FOWLER MFG. CO., 2545 S.E. Gladstone St., Portland, Ore.—Nash-Kelvinator Sales Corp., 2133 N.W. York St., Portland 10; 2819 Elliott Ave., Seattle 1; 1023 W. Riverside, Spokane; Appliance Wholesalers, 600 N.W. 14th Portland 9; Flint Dist. Co., 316 W. Second South, Salt Lake City, and Boise, Idaho; Midland Dist. Co., 2302 First Ave. North, Billings; Elec'l Equipment Co. of Ariz., 424 N. Central Ave., Phoenix; Kaemper & Barrett, 1850 Mission St., San Francisco 3; Western Appliance Corp., 201 S. Cherokee, Denver 9, and Columbia Electric Mfg. Co., South 123 Wall St., Spokane.

FRANCE MFG. CO., 10325 Berea Rd., Cleveland, Ohio—Mullenbach Elec. Mfg. Co., 2300 E. 27th St., Los Angeles.

FRANKEL CONNECTOR CO., 27 Vestry, New York City—Robert R. Prussia, 224 Harriet, San Francisco; Rutkin Electric Sales Co., 935 Stanford Ave., Los Angeles; Slaybaugh-Thompson, 100 W. 13th Ave., Denver.

FRANKELITE CO., 1425 Rockwell Ave., Cleveland, Ohio—Fred J. Stone, 1355 Market St., San Francisco; W. H. Humphries, 2627 Lake St., Salt Lake City; Glidden Eng. & Equipment Co., 3802 Winchester St., Houston.

FRANKLIN CO., INC., L. K., 1241 S. Hill St., Los Angeles, Calif.—Sold through jobbers.

FREE SEWING MACHINE CO., Rockford, Ill.—Sold through Westinghouse Electric Supply all principal cities.

FRESH'nd-AIRE COMPANY, 221 N. La Salle St., Chicago, Ill.—E. H. Sager, Western Dist. Mgr., 3711 Wilshire Blvd., Los Angeles; Clyde Allen Co., 1355 Market St., San Francisco; James P. Stewart Co., Portland Merchandise Mart, Portland.

FRIEZ INSTRUMENT DIV., Bendix Aviation Corp., 1400 Taylor Ave., Baltimore 4, Md.—Pacific Scientific Co., 25 Stillman St., San Francisco 7; 1915 First Ave. So., Seattle; 1430 Grande Vista Ave., Los Angeles 23; 500 Dekum Bldg., Portland 4; Denver Fire Clay Co., 2301 Blake St., Denver 7; P.O. Box 836, Salt Lake City 10, and 1309 Texas St., El Paso.

FRIGIDAIRE DIV., General Motors Corp., 300 Taylor St., Dayton 10, Ohio—Branch Offices: W. I. Buchanan, Western Regional Mgr., 1355 Market St., San Francisco; R. E. Robertson, Asst. to West. Reg. Mgr., 1355 Market St., San Francisco; H. J. Miller, Branch Mgr., Frigidaire Sales Corp., 1250 53rd St., Oakland; F. M. Drake, Branch Mgr., 3251 Leonis Blvd., Los Angeles 58.

FRINK CORPORATION, THE Bridge Plaza North, Long Island City, N. Y.—James Mundstock, 320 Market St., San Francisco; L. E. Therkelsen, 2583 Canyon Dr., Los Angeles.

FULLERTON MFG. CORP., 17 Chestnut St., South Norwalk, Conn.—W. J. Huemmer, Dallas Transfer & Terminal Warehouse Bldg., Dallas; L. Black, 4805 Santa Monica Blvd., Los Angeles.

FULLMAN MFG. CO., 1209 Jefferson St., Latrobe, Pa.—L. F. Church Co., 750 Natoma St., San Francisco; J. C. Richards & Co., 433 Colyton St., Los Angeles; Ernest G. Hendrickson, No. 119 Post St., Spokane; Harvey M. Olmstead Co., 1534 Wazee St., Denver.

FULTON ELECTRIC MFG. CO., 38-44 N. 2nd Ave., Mt. Vernon, N. Y.—James Mundstock, 320 Market St., San Francisco 11.

FURNAS ELECTRIC CO., 1000 McKee St., Batavia, Ill.—O. E. Warburg, 1207 E. Eighth St., Los Angeles 21; Western Transmission Co., 4261 S.E. Stark St., Portland 15; Charles A. Meier Co., 1473 Harrison St., San Francisco 3.

FUSITE CORPORATION, 5324 Carthage Ave., Cincinnati, Ohio—Northwest Sales & Eng. Service Co., 915 Terminal Sales Bldg., Seattle 1.

G.C.A. MFG. CO., 346 Wahconah, Pittsfield, Mass.—Sold thru General Electric Supply Corp., Westinghouse Supply Corp., Graybar Electric Co., Inc., Line Material Co., Joslyn Pacific Co., in all principal cities.

G & W ELECTRIC SPECIALTY CO., 7780 Dante Ave., Chicago, Ill.—W. R. Hendrey Co., Smith Tower Bldg., Seattle; C. E. Ingalls & Sons, Monadnock Bldg., San Francisco; R. E. Cunningham & Son, Pacific Mutual Bldg., Los Angeles; Mountain States Machinery Co., 1526 Blake St., Denver, Riter Eng. Co., Kearns Bldg., Salt Lake City; F. W. Gorman, 1701 Texas St., El Paso. (See adv. back cover.)

GALVIN MFG. CORP., 4545 Augusta Blvd., Chicago 51, Ill.—J. M. Tuttle, Regional Manager, 1355 Market St., San Francisco, Calif.

GARDEN CITY MFG. CO., 1750 N. Ashland Ave., Chicago, Ill.—H. Kjaer Equipment Co., 1261 Howard St., San Francisco 3.

GARDNER ELECTRIC MFG. CO., 4227 Hollis St., Emeryville, Calif.—Maydwell & Hartzell, Inc., in following cities: 158 11th St., San Francisco; 427 W. 5th St., Los Angeles; 306 Dexter Ave., Seattle; 1238 N.W. Glisan St., Portland; 814 Paulsen Bldg., Spokane, and 6710 N. 15th St., Phoenix; Coastal Sales Co., 525 W. 2nd South St., Salt Lake City and 1078 Lipan St., Denver; Peabody Bros., 3015 Taylor St., Dallas and 866 M & M Bldg., Houston. (See adv., page 21.)

GAYNOR ELECTRIC CO., INC., P. O. Box 550, Bridgeport, Conn.—C. J. Gratiot & Sons, 1282 Folsom St., San Francisco, and 2555 San Fernando Rd., Los Angeles.

GEDNEY ELETRIC CO., RKO Bldg., New York City—Jack Morgan, 2241 W. Alabama Ave., Houston, and 1312 McKinney Ave., Dallas; W. S. Sanderlin Co., 129 1st Ave. West, Seattle 99, and 201 S. E. Washington Ave., Portland; Rutkin Elec. Sales Co., 935 Stanford Ave., Los Angeles 21; George A. Gray Co., 2720 17th St., San Francisco 10.

GEIER COMPANY, THE P. A., 540 E. 105th St., Cleveland 8, Ohio—R. E. Harris, Inc., 131 W. Ash St., San Diego, Calif.; J. A. Keim, 26601 Calle, Capistrano Beach, Calif.; Kaemper-Barrett, Inc., 1850 Mission St., San Francisco; R. L. Hubbell, 3444 Freeman Rd., Walnut Creek, Calif.; Austin & Son, 1123 Wazee St. Denver 2; Biggs-Kurtz Hdwe. Co., 304 W. Main St., Grand Junction, Colo. Sold by Graybar Electric Co., Inc., all principal cities.

GEM ELECTRIC MFG. CO., INC., 237 37th St., Brooklyn, N. Y.—Brill Electric Sales, 164 Townsend St., San Francisco; George Kraft Co., 1501 N.W. Kearney, Portland; The McLoughlin Co., 811 E. 14th Place, Los Angeles; L. S. Reed & Co., 1018 Lawrence St., Denver; J. V. Folsom Co., 801 N. Market St., Dallas.

GENERAL CABLE CORP., 420 Lexington Ave., New York City—Branch Offices: R. O. Barnes, Pac. Dist. Mgr., 25 Beale St., Room 743, San Francisco; W. E. Warnicke, South Pac. Dist. Mgr., 1329 Willow St., Los Angeles; James Fletcher, Br. Mgr., 2020 Smith Tower, Seattle; A. Z. Barnes, 213 Thomas Bldg., Dallas; R. L. Bellflower, 833 Bankers Mortgage Bldg., Houston.

GENERAL ELECTRIC COMPANY —General Offices: Schenectady, N. Y.—Ray W. Turnbull, Western Commercial Vice President, headquarters at 235 Montgomery St., San Francisco.

—AIR CONDITIONING DIVISION: headquarters Bloomfield, N.J. W. D. Paulson, Sales Supervisor, Region 4 headquarters, 1052 W. 6th St., Los Angeles. E. W. Howes, field service representative Region 4, headquarters, 235 Montgomery St., San Francisco. Offices in Salt Lake City and Seattle.

—APPARATUS MANUFACTURING PLANTS: Transformer Plant, 5441 E. 14th St., Oakland (Paul R. Hartig, Mgr.) Control Plant, 1034 66th Ave., Oakland (F. E. Strauss, Eng. & Supt.) San Jose Motor Plant, 2155 S. 1st St., San Jose (D. E. Moorhead, Mgr.)

—APPARATUS SALES DIVISION, headquarters, Schenectady, N. Y. A. D. Bragg, District Mgr., Apparatus Pacific Sales District headquarters, 235 Montgomery St., San Francisco. Kurt Steindorff, San Francisco Area Mgr., 235 Montgomery St., San Francisco. E. M. Ellis, Los Angeles Area Mgr., 212 N. Vignes St., Los Angeles. Local offices located in Oakland, Sacramento, Stockton, Redding, San Jose, Fresno, Bakersfield, Riverside. San Diego and Phoenix. Service shops and warehouses located in San Francisco and Los Angeles. J. R. Murphy, District Manager, Pacific Northwest District headquarters, 710 2nd Avenue, Seattle. Local offices located in Portland, Spokane, Tacoma, Medford, Pasco, and Eugene. Service shops and warehouses located in Portland and Seattle. L. M. Stauffer, District Mgr., Rocky Mountain District, headquarters, 650 17th St., Denver, Colorado. Local offices located in Salt Lake City, Butte and Albuquerque. Service shops and warehouses located in Denver and Salt Lake City.

—CARBOLOY DEPARTMENT (of General Electric Company): headquarters, Detroit, Michigan. R. D. Mack, Dist. Mgr., Pacific headquarters, 5905 Pacific Blvd., Huntington Park, California. E. L. Boersig, representative, c/o C. W. Marwedel, 11th & Alice Sts., Oakland, Calif.

—CHEMICAL DIVISION: headquarters, Pittsfield, Mass. J. R. Patterson, West Coast Mgr., Pacific headquarters, 1052 W. 6th St., Los Angeles. T. D. Daniels, Dist. Rep., 1052 W. 6th St., Los Angeles. Anaheim Works, 1211 N. Olive St., Anaheim (J. B. Holmes, Sup. of Engr.).

—CONSTRUCTION MATERIALS DIVISION: headquarters, Bridgeport, Conn. D. F. Flinn, II, Mgr., Pacific Sales Dist., headquarters 3000 E. 46th St., Los Angeles. (District warehouse at above address.) Offices at 1853 Folsom St., San Francisco. Wire & Cable Department, Oakland operation, 1034 66th Ave., Oakland (Walter J. Delehanty, Mgr.) W. W. Bryan, northwestern sales district, headquarters, 710 Second Ave., Seattle. Offices in Portland and Salt Lake City.

—ELECTRONICS DIVISION: headquarters, Syracuse, N. Y. *Replacement Tubes and Parts* —W. C. Walsh, western regional sales mgr., 235 Montgomery St., San Francisco. L. M. Robb, District Representative, 235 Montgomery St., San Francisco. R. E. Giannini, Dist., Rep., 530 W. Sixth St., Los Angeles. T. A. Reese, Dist. Rep., 710 2nd Ave., Seattle.
Communication Equipment—L. R. Sheeley, Regional Mgr., 235 Montgomery St., San Francisco. F. I. Deetken, Dist. Sales Mgr., 235 Montgomery St., San Francisco. W. H. Nye, Communication Specialist, 235 Montgomery St., S. F. K. J. Worthen, Dist. Sales Mgr., 530 W. Sixth St., Los Angeles V. E. Stineman, Communication Specialist, 530 W. Sixth St., L. A. J. E. Hogg, Dist. Sales Mgr., 220 Dawson St., Seattle. H. S. Broughall, Communication Specialist, 220 Dawson St., Seattle. F. D. Morton, Dist. Sales Mgr., 650 17th St., Denver, Colo. F. H. Speir, Dist. Sales Mgr., 200 So. Main St., Salt Lake City.
Equipment Tubes—B. S. Angwin, Regional Sales Mgr., headquarters 530 W. 6th St., L.A. R. R. W. Lacy, Los Angeles Area Sales Rep., 530 W. 6th St., L.A.
Broadcast Equipment, Marine & Aviation Electronic Products —C. T. Haist, District Sales Mgr., 235 Montgomery St., San Francisco. F. R. Walker, Dist. Sales Mgr., 530 W. 6th St., Los Angeles.
Receiver Department—H. G. Randolph, Dist. Mgr., 649 South Olive St., Los Angeles. T. C. Gilliland, Dist. Mgr., 995 Market St., San Francisco. B. S. Wells, Dist. Mgr., 710 Second Avenue, Seattle. G. D. Day, Dist. Service Supervisor, 995 Market St., San Francisco.
Aviation Equipment Sales, Government Division—J. J. Losey, 212 N. Vignes St., Los Angeles.

—GENERAL ELECTRIC APPLIANCES, INC., headquarters Bridgeport, Conn. S. B. Maher, Mgr., headquarters 150 W. Jefferson Blvd., Los Angeles Branch in San Diego.

—HOTPOINT, INC. (affiliate of General Electric Company, headquarters Chicago, Illinois). H. J. Scaife, Mgr., San Francisco Dist., headquarters 1355 Market St., San Francisco. V. E. Koch, zone mgr., 1355 Market St., San Francisco; R. S. Holtzman, zone mgr., Los Angeles office, 360 Skyewlay Road, Brentwood; R. W. Rennewanz, Dist. Mgr., 1411 4th Ave., Seattle.

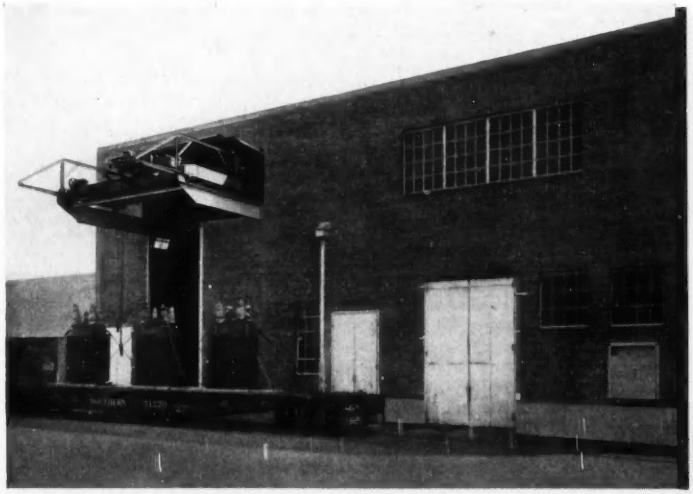
—LAMP DIVISION: headquarters, Cleveland, Ohio. Frank M. Faige, Manager, Pacific Sales Dist., 1614 Campbell St., Oakland. Branch offices located in Fresno, San Mateo and Sacramento. E. C. Herron, Mgr., South Pacific Sales Dist., 601 W. 5th St., Los Angeles. Branch offices in San Diego and Phoenix. C. A. Rost, Mgr., North Pacific Sales Dist., 1238 W. Glisan St., Portland Branch office in Spokane. L. R. Wilson, Mgr., Puget Sound Sales District, 202 Hoge Bldg., Seattle. Branch office in Spokane. J. P. Roger, Mgr., Rocky Mountain Sales District, 1863 Wazee St.,

(Continued on Page 22)

CARE ON DELIVERY

A *Gardner* Transformer is delivered just as carefully as it is designed and built. A ten ton crane lifts the transformer as gently as taking an egg from the nest, moves it across the factory and through the loading door, and just as gently sets it in exact position on the freight car. The transformer is braced with heavy steel bars; and all exposed parts are securely wrapped for maximum protection.

Painstaking care in shipping is an example of factory procedure in a company which is owned by executives and employees whose principal interest in life is building a better transformer to give trouble-free service to *Gardner* users.



★

Special problems are welcome. Our experience is widespread and our production line is flexible. Write for information.

GARDNER ELECTRIC MANUFACTURING COMPANY

FACTORY AND GENERAL OFFICE

4227 HOLLIS STREET EMERYVILLE (OAKLAND) 8, CALIFORNIA

Denver. Branch office in Salt Lake City. Oakland Lamp Works, 1648 16th Street, Oakland (Rees D. Paine, Mgr.) Warehouse in Oakland

—LOCKE (Department of General Electric Company): headquarters, Baltimore T. E. Traugott, Regional Mgr., 1229 Burlingame Ave., Burlingame. Represented by G. E. Supply Corporation in Los Angeles, Portland, Seattle and Denver.

—MAJOR APPLIANCE DIVISION: headquarters, Louisville, Kentucky. H. Gordon Smith, Dist. Mgr., Pacific Sales District headquarters, 235 Montgomery St., San Francisco. C. M. Rowland, Area Mgr., 212 N. Vignes St., Los Angeles. R. T. Skeer, Mgr., 705 Second Ave., Seattle. F. K. Hagar, Mgr., 900 S. Main St., Salt Lake City. L. B. Bundy, Mgr., 650 17th St., Denver. Appliance Service Center in Emeryville.

—SMALL APPLIANCE DIVISION: headquarters, Bridgeport, Conn. J. P. Evans, Dist. Manager, Pacific Sales District, 235 Montgomery St., San Francisco. Offices in Los Angeles, Seattle and Salt Lake City. Appliance service centers in San Francisco, Seattle, and Los Angeles.

—MONOWATT (A department of General Electric Company): headquarters in New York City. W. S. Wanke, Pacific Representative, 26751 Eastvale Rd., Rolling Hills, California.

—TELECHRON (A department of General Electric Company): headquarters, Ashland, Mass. J. J. Burns, District Mgr., 1355 Market St., San Francisco. Offices at 1151 S. Broadway, Los Angeles and c/o J. C. Platt Co., 2213 4th Ave., Seattle.

—TRUMBULL ELECTRIC DEPARTMENT (of General Electric Company): headquarters, Plainville, Conn. L. M. Kerkhof, Dist. Sales Mgr., 555 Minnesota St., San Francisco. J. Warren Barry, Mgr., Calif. Region, 11116 Vanowen St., North Hollywood. W. I. Downie, Mgr., Northwest Region, 303 W. Hudson St., Seattle.
Trumbull Plants at: 555 Minnesota St., San Francisco (W. C. Anderson, Works Mgr.) 11115 Vanowen St., North Hollywood (W. C. Anderson, Works Mgr.) 303 W. Hudson, Seattle (D. P. Brewer, Works Mgr.)

—X-RAY DEPARTMENT (of General Electric Company) headquarters, Milwaukee. G. E. Williams, Zone Manager, 450 16th Street, Denver. G. R. Borgmann, Dist. Mgr., 1338 Glenarm St., Denver. L. M. Rasmussen, Dist. Mgr., 1269 Howard St., San Francisco. Offices in Stockton, Sacramento, Fresno and San Jose. William J. Cox, Mgr., 550 North Western Ave., Los Angeles. A. H. Jordan, 521 Grape Street, San Diego. Office in Phoenix. C. H. McMillan, Dist. Mgr., 615 S. W. 13th Ave., Portland. A. T. Koenninger, Dist. Mgr., Medical-Dental Bldg., Seattle. Office in Spokane. K. S. Dawson, Dist. Mgr., 215 S. 4th E., Salt Lake City.

GENERAL ELECTRONICS, INC., 101 Hazel St., Paterson, N. J.—Nickerson & Rudat, 383 Brannan St., San Francisco.

GENERAL ENG. & DESIGN CO., 459 E. Fort St., Detroit, Mich.—Detsch & Co., 341 10th St., San Francisco.

GENERAL INSULATED WIRE WORKS, INC., 69 Gordon Ave., Providence, R. I.—J. B. Tubergen Co., 2232 W. 11th St., Los Angeles.

GENERAL LIGHTING CO., 8336 W. 3rd St., Los Angeles, Calif.—(See Gruen Lighting)

GENERAL MILLS, INC., 1620 Central Ave. N. E., Minneapolis, Minn.—Mr. Henry S. Kingman, Jr., 116 New Montgomery St., San Francisco 6; Mr. E. M. Schindeldecker, 4309 Fruitland Ave., Vernon 11; Mr. Joseph C. Platt, 2213 Fourth Ave., Seattle 1; Mr. D. H. Sluman, 1601 Glen Bar Drive, Box 7528, Lakewood, Colorado.

GENERAL PACIFIC CORP., 1501 E. Washington Blvd., Los Angeles 12, Calif.—Branch Offices: 127 10th St., San Francisco 3; 416 Bell St., Seattle 1; 1020 University Ave., San Diego 3; 907 Terminal Sales Bldg., Portland, and Denver, Colo.

GENERAL RADIO COMPANY, 275 Massachusetts Ave., Cambridge 39, Mass.—General Radio Co., 1000 No. Seward St., Los Angeles 38, Calif.

GENERAL REFRIGERATION DIV., Yates American Machine Co., Beloit, Wis.—Lipman Distributors, 1150 N. Western Ave., Los Angeles; Ris Shankman, P. O. Box 213, Soap Lake, Wash.

GENERAL SWITCH CORP., 49 Roebling St., Brooklyn, N. Y.—Keeler, White Co., in following cities; 422 N.W. 4th St., Portland; 1041 6th Ave. So., Seattle 4; 615 7th St., San Francisco 3; So. 121 Madison St., Spokane 8; J. C. Richards Co., 433 Colyton St., Los Angeles.

GENERAL TRANSFORMER CO., 18240 Harwood Ave., Homewood, Ill.—Marshank Sales, 672 So. Lafayette Park Pl., Los Angeles.

GENERAL WATER HEATER CORP., 240 N. Front St., Burbank, Calif.

GEORGE CO., P. D., 5200 N. Second St., St. Louis 7, Mo.—Insulation and Wires, Inc., 2043 East Washington Blvd., Los Angeles 21; 1077 Howard St., San Francisco 3, and 1702 N.W. Sandy Blvd., Portland.

GERINGER & SONS MFG. CORP., Peekskill, N. Y.—Panama Lamp & Commercial Co., Inc., 815 Howard St., San Francisco, 326 So. San Pedro St., Los Angeles; 568 1st Ave., So., Seattle 4.

GIBSON ELECTRIC CO., 8350 Frankstown Ave., Pittsburgh 21, Pa.—E. A. Wilcox Co., 277 Seventh St., San Francisco, 406 S. Main St., Los Angeles; 417 Arctic Bldg., Seattle.

GIBSON REFRIGERATOR CO., 515 W. Williams, Greenville, Mich.—J. J. Lukanish Co., 1355 Market St., San Francisco; Seattle Hdwe. Co., 501 1st Ave., So., Seattle; Electrical Dist., Inc., 140 N.W. 14th St., Portland; Prudential Dist. Inc., S. 151 Stevens St., Spokane. Graybar Electric Co., Los Angeles, Long Beach, San Diego and Phoenix.

GILBERT CO., THE A. C., Erector Square, New Haven, Conn.—Dist. Manager, 151 Alberta Ave., San Carlos, Calif.

GILL ELECTRIC MANUFACTURING CORP., 624 W. Citrus Ave., Redlands, Calif.—J. E. Shull, 559 S. Central Ave., Los Angeles 13; Lee Arter Co., 1355 Market St., San Francisco 3, and 672 S. Lafayette Park Pl., Los Angeles 5.

GILL GLASS AND FIXTURE CO., Amber & Tioga Sts., Philadelphia, Pa.—Branch Offices: 1085 Monadnock Bldg., San Francisco, and 609 Thomas Bldg., Dallas.

GIVEN MFG. CO., 3301 E. Fruitland, Los Angeles 58. Branch, 1401 3rd St., San Francisco.

GLATTHAR LIGHTING CO., 949 East 72nd St., Cleveland 3, Ohio—A. E. Billings, 1921 E. 10th St., Tucson, Ariz.

GLEASON & CO., J. L., 203 Bent St., Cambridge 41, Mass.—Donald T. Elliott, 729 Mission St., San Francisco 3.

GLEASON-TIEBOUT GLASS CO., 59-50 54th St., Maspeth, New York City—John Maddox, 420 Market St., San Francisco; Maddox Sales Co., 912½ E. Third St., Los Angeles; Stanford Darger, 528 W. 2nd South St., Salt Lake City.

GLOBAR DIVISION, the Carborundum Co., Niagara Falls, N. Y.—Branch Office: 443 11th St., Santa Monica, Calif.

GLOBE AMERICAN CORP., Macomb, Ill.—Gillette & McLaren, 131 S.W. 4th Ave., Portland; Central Bldg., Seattle.

GLOBE LIGHTING PRODUCTS, INC., 1710 Flushing Ave., Brooklyn 6—Branch Office: 2121 So. Main St., Los Angeles. Representatives: Tex Raisen, 3259—57th S.W., W. Seattle, Wash.; Harry Ream, 2695 Newland Ave., Denver, Colo.; Luke Simpson, 1315—25th St., San Diego, Calif.; Al Perdue, 4305 Ravenwood Ave., Sacramento, Calif.; Joe Pellicano, 4146 N.E. 69th St., Portland, Ore.; Otis W. Burrell, 2166 Market St., San Francisco, Calif.

GLOBE HEAT-SEAL, INC., 3380 Robertson Blvd., Los Angeles, Calif.—Direct through machinery dealers.

GLOBE STEEL TUBES CO., 3839 W. Burnham St., Milwaukee 4, Wis.—Branch Office: C. J. Bickler, Dist. Sales Mgr., 102 N. Brand Blvd., Glendale 3, Calif.; F. W. Taylor, agent, 401 Denham Bldg., Denver.

GLOLITE CORPORATION, 1107 Washington Blvd., Chicago, Ill.—Jerry Smilowe, 3411 Tulare Ave., Burbank, Calif.

GODFREY & WING, INC., 2110 Superior Ave., Cleveland, Ohio—Lange-Puckner, 9228 Brier Rd., La Mesa, Calif.; W. G. Gordon, 2216 1st Ave., Seattle.

GOLDEN - ANDERSON VALVE SPECIALTY CO., 207 Keenan Bldg., Pittsburgh, Pa.—R. P. Carmien Co., 812 San Fernando Bldg., Los Angeles; Moorlane Co., 1424 Market St., Denver 2; D. H. Lundin Co., 1127 E. Northlake, Seattle 5; Harry E. Clark, 608 M & M Bldg., Houston; Asa E. Hunt, 1708½ Commerce St., Dallas; W. S. Turner Co., Pacific Building, Portland.

GOODRICH MFG. COMPANY, Bayshore Highway, San Francisco, Calif.

GORDON CO., CLAUD S., 3000 S. Wallace St., Chicago, Ill.—Pacific Scientific Co., 25 Stillman St., San Francisco; 1430 Grande Vista, Los Angeles; 1915 First Ave. So., Seattle and Terminal Sales Bldg., Portland.

GOTHAM LIGHTING CORP., 37-01 31st St., Long Island City, N.Y.—Wm. O. Proby & Associates, 8177½ Fifth Ave. North, Seattle 9; 135 Northeast Park Ave., Portland 9; 121 So. Madison St., Spokane 8; The Darger Co., 328 W. 2nd South St., Salt Lake City 1; Louis D. Black, 4806 Santa Monica Blvd., Los Angeles 27 and 1315 25th St., San Diego; C. T. Bakeman & Associates, 752 Natoma St., San Francisco.

GOULD NATIONAL BATTERIES, INC., 467 Calhoun St., Trenton, N.J.—Branch Offices: C. H. Hart, Regional Mgr., 244 Fremont St., San Francisco; 1025 14th St., Denver 2; 568 East 5th So., Salt Lake City.

GOULDS PUMPS, INC., 200 Fall St., Seneca Falls, N. Y.—R. M. Wade & Co., 106 S. E. Hawthorne Blvd., Portland and 532 First Ave. So., Seattle; Pump Engineering Co., 2011 Sante Fe Ave, Los Angeles; Woodin & Little, Inc., 33-41 Fremont St., San Francisco; Warner Co., 1600 15th St., Denver; Midland Implement Co., Billings; Gilbert Pump & Equipment Co., 1025 So. Central, Phoenix; Steve Regan Co., 451 So. 3rd St., Salt Lake City.

GRAND HOME APPLIANCE CO., 2323 E. 67th St., Cleveland 4, Ohio—Washington Stove Works, Box 919, Everett, Wash.; Billings Hdwe. Co., Billings, Mont.; Strevell-Paterson Co., 126 South West Temple, Salt Lake; J. H. Nicodemus, 230 S. 4th West, Salt Lake; Boyd Dist. Co., 20 W. 13th St., Denver.

GRAYBILL, 4524 W. Madison St., Chicago 24, Ill.—A. J. Nelson, Box 2244, Denver; C. B. Parsons, 115 Belmont Ave. N., Seattle; Nickerson & Rudat, 383 Brannan St., San Francisco; John B. Tubergen Co., 2232 W. 11th St., Los Angeles; Chas. L. Thompson Ltd., 132 W. Hastings St., Vancouver, B.C.

GRAYSIX COMPANY, 2427 4th St., Berkeley, Calif.—George A. Gray Co., 2720 17th St., San Francisco 10.

GREAT LAKES ELECTRIC MFG. CO., 17 S. Desplaines St., Chicago 6, Ill.—W. C. King, 912 E. Third St., Los Angeles 13.

GREAT WESTERN FUSE DIV., Titeflex, Inc., 500 Frelinghuysen Ave., Newark, N. J.—F. M. Nicholas Co., 140 Spear St., San Francisco; Bruce-Emmett Co., 830 S. E. Alder St., Portland, offices in Seattle; Michel Bros., 1015 E. 16th St., Los Angeles; L. D. Hood Sales Agency, P. O. Box 2751, Lakewood, Colo.; Peabody Bros., 3015 Taylor St., Dallas and M & M Bldg., Houston.

GREENE ELECTRIC FURNACE CO., 2702 6th Street So., Seattle, Wash.

GREEN, INC., R. H., 1201 24th St., Oakland, Calif.

GREENLEE TOOL CO., 2136 12th St., Rockford, Ill.—Lippincott Co., Inc., 1052 W. 6th St., Los Angeles 14; 461 Market St., San Francisco 5 and 911 Western Ave., Seattle 4.

GRIFFIN LAMP CO., 405 So. 3rd St., Hamilton, Ohio—Harry C. Younger, 1170 Laurel St., Pasadena, Calif.; Jack Duval, 1683 34th St., San Francisco; D. James Murray, 308 Ninth Ave., No., Seattle.

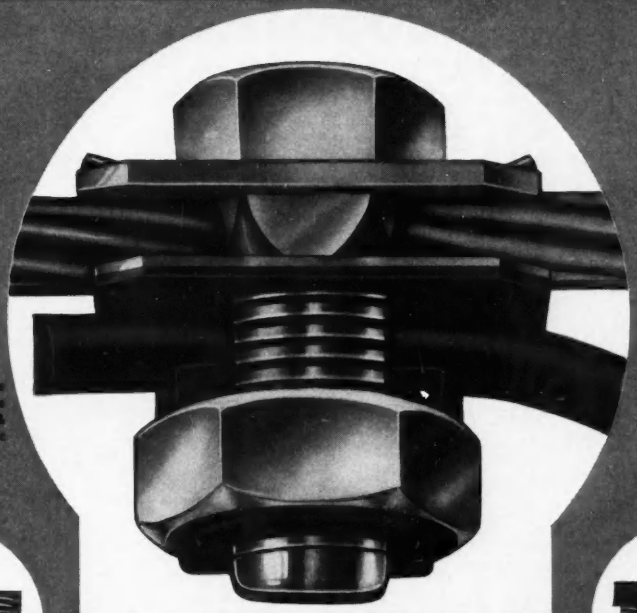
GRISWOLD MFG. CO., 1053 W. 12th, Erie, Pa. — W. F. Smith, 6356 Drexel Ave., Los Angeles; G. R. Woodward, 511 Merchandise Mart, Denver; S. W. Brown, 520 Governor Stevens Ave., Olympia, Wash.

GRUEN LIGHTING CO., 8336 W. 3rd St., Los Angeles.

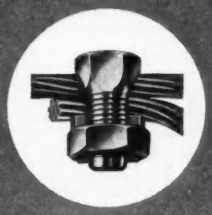
GUARDIAN ELECTRIC MFG. CO., 1621 West Walnut St., Chicago 12, Ill.—Logan Sales, 530 Gough St., San Francisco 2; Marsh Agencies, 2601 1st Ave., Seattle 1; Roy E. Renz, 1406 So. Grand Ave., Los Angeles 15; J. F. McKinney Sales Co., 1330 N. Industrial Blvd., Dallas 1; Frank Y. Gates, 822 Cont. Bank Bldg., Salt Lake City 1.

EDWIN F. GUTH COMPANY, 2615 Washington St., St. Louis, Mo.—Wm. Bracken Sales Agency, 923 E. 3rd St., Los Angeles; Dan H. Radke Co., 754 Natoma St., San Francisco 3; Gaer, Florance & Associates, 2052 Humboldt, Denver; John Allen Ware, Sr., 331 West G St., San Diego; John Allen Ware, Jr., 4807 No. 29th Place, Phoenix; Oscar Hogenson, 95 Connecticut St., Seattle 4.

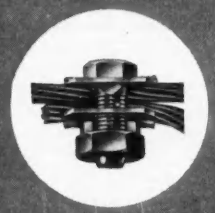
The Answer to Your Aluminum Connection Problems!



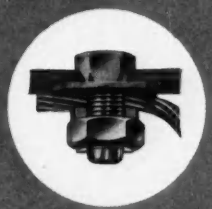
Type CA — For Al. line to Cu. tap or Cu. line to Al. tap. Al. bolt & nut with bi-metallic washer.



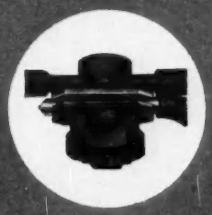
Type AA — For Al. to Al. All aluminum connector.



Type AAW — Same as type AA with 2 Al. bell-mouthed washers.



Type HPW — All plated universal connector for Cu. to Al. or Al. to Al. — Made of Duronze.



Type H-3-W — Primarily for 6, 4 & 3 Al. tap to Cu. line — Duronze connector with 2 grooved bi-metallic washers.

BLACKBURN *Hi-Strength* CONNECTORS

Years of service in the field have definitely proved the dependability of BLACKBURN Connectors for aluminum and copper wires. Made of high-strength aluminum alloy, *Alumilite* treated for corrosion protection and non-freezing of threads — furnished with true bi-metal washers to separate dissimilar wires — these connectors are the answer to your aluminum connection problems. Write or phone for further information.

IN STOCK FOR IMMEDIATE SHIPMENT FROM THE WAREHOUSES OF

GENERAL ELECTRIC SUPPLY CORPORATION

SAN FRANCISCO • OAKLAND • SACRAMENTO • FRESNO • LOS ANGELES
SAN DIEGO • PHOENIX • SEATTLE • PORTLAND • TACOMA • SPOKANE

GUTHMAN & CO., INC., EDWIN I., 15 S. Throop, Chicago, Ill.—Conrad R. Strassner, 1865 N. Western Ave., Los Angeles 27.

H-B INDICATOR CO., 915 Terminal Sales Bldg., Seattle 1, Wash.—Northwest Sales and Eng. Service Co., 915 Terminal Sales Bldg., Seattle; A. J. Nelson Co., P.O. Box 2244, Denver, Colo.; Tri-State Supply Corp., 554 Bryant St., San Francisco; 544 So. San Pedro, Los Angeles; 318 Occidental Ave., Seattle.

H-B INSTRUMENT CO., 2531 Trenton Ave., Philadelphia 25, Pa.—Oscar Hogenson, 95 Connecticut St., Seattle 4; H. D. Prowell Co., 2335 E. 8th St., Los Angeles 21; The Ballard Co., 407 Sansome St., San Francisco 11, Calif.; Chas. E. Klaus, 1004 S.E. Belmont, Portland.

HD ELECTRIC COMPANY, 750 Osterman Ave., Deerfield, Ill.—L. A. Nott, 1061 Howard St., San Francisco; T. S. Wood, 220 Ninth Ave., North, Seattle; J. E. Redmond, 625 W. Madison, Phoenix; W. D. Howze & Co., 5603 No. Figueroa St., Los Angeles 42.

HAARTZ-MASON CO., Watertown, Mass.— Elec. Specialty Co., 316 Eleventh St., San Francisco; 418 E. Third St., Los Angeles; 2406 1st Ave. So., Seattle, 1015 21st St., Denver 2.

HACKENSACK CABLE CORP., 110 Orchard St., Hackensack, N. J.—McCune-Merifield Co., 909 Western Ave., Seattle 4; 51 Fremont St., San Francisco; 1321 So. Los Angeles St., Los Angeles; 1340 Pennsylvania St., Denver.

HALEY & CO. INC., R. G., 767 Spitzer Bldg., Toledo, Ohio—R. G. Haley Corp., 318 Weisgerber Bldg., Lewiston, Idaho.

HALLICRAFTERS CO., 4401 W. 5th Ave., Chicago, Ill.—James J. Backer, 2321 Second Ave., Seattle; Wm. H. Shaw, 135 N. Franklin Ave., San Gabriel, Calif.

HAMILTON BEACH CO., Div. Scovill Mfg. Co., 1509 Rapids Dr., Racine, Wis.—Paul A. Douden, 1645 Wazee St., Denver; R. M. Saunders, 1527 E. Mountain St., Glendale 6, Calif; E. F. Steffan, Rte. 2, Box 411, Bellevue, Wash.

HAMILTON MFG. CO., Two Rivers, Wis.—Branch Office: Harry J. Moeller, Regional Representative, 901 SW. King Ave., No. 918, Portland 5. Leading Electrical distributors all principal cities.

HAMMARLUND MFG. CO., INC., 460 W. 34th St., New York City—George Tivy, 1148 S. Grand Ave., Los Angeles 15; Hodges & Glomb, 1264 Folsom St., San Francisco 3; Don H. Burcham, 917 S.W. Oak St., Portland; R. M. Campion, P. O. Box 4116, Sta. A, Dallas.

HANOVIA CHEMICAL & MFG. CO., 100 Chestnut St., Newark 5, N. J.—Branch Office: 453 Powell St., San Francisco, C. C. See, Mgr.

HANSEN MFG. CO., INC., R.R. 1, Princeton, Ind.—Perlmuth Colman & Associates, 1325 So. Flower, Los Angeles, and 420 Market St., San Francisco.

HARDWICK, HINDLE, INC., 46 Hermon St., Newark 5, N. J.—E. V. Roberts & Associates, 5068 W. Washington Blvd., Los Angeles 16; John B. Guenther, 7322 Marquette Ave., Dallas 5.

HARPER ELECTRIC FURNACE CORP., 39 River St., Buffalo 2, N. Y.—Kent H. Power, 716 Wilshire Blvd., Santa Monica, Calif.

HARPER CO., H. M., 8200 Lehigh Ave., Morton Grove, Ill.—Branch Offices: 835 E. 31st St., Los Angeles and 3835 Piedmont Ave., Oakland 11, Calif.; Representatives—A. Roth, 4321 Dover St., Wheat Ridge, Colo.; T. Blunden, 1502 Olive Way, Seattle 22.

HART MANUFACTURING CO., 110 Bartholomew Ave., Hartford, Conn.—L. J. Proby, 422 Smith Tower, Seattle; E. B. Cook Co., 1063 Howard St., San Francisco; H. H. Van Luven Co., 537 Ceres Ave., Los Angeles; F. Y. Gates, 206 S. Main St., Salt Lake City 1.

HARTFORD ELEMENT CO., INC., 276-8 Windsor St., Hartford, Conn. — McCune-Merifield Co., 909 Western Ave., Seattle; 1331 Los Angeles St., Los Angeles; and 51 Fremont St., San Francisco; H. Sidney Hopkins, 4855 Elmwood Ave., Los Angeles (For mfg. accounts only).

HARTMAN ELECTRICAL MFG. CO., 175 N. Diamond St., Mansfield, Ohio—Representing aircraft line of relays, cutouts and contactors: Air Supply Co., in following cities—5959 W. 3rd St., Los Angeles 36; 528 Skinner Bldg., Seattle 1; representing commercial line: Richard T. Puelicher, 3151 E. Colorado St., Pasadena 8, Calif., and J. B. Hickman, 593 Maritime Bldg., Seattle 4.

HARTZELL PROPELLER FAN CO., South Downing St., Piqua, Ohio—Maydwell & Hartzell, Inc., in following cities: 427 W. 5th St., Los Angeles 13; 1238 N.W. Glisan St., Portland 9; 306 Dexter Ave., Seattle 4, and 158 11th St., San Francisco; 814 Paulsen Bldg., Spokane; 6710 N. 15th St., Phoenix.

HASKINS CO., R. G., 2651 West Harrison St., Chicago, Ill.—J. C. Fletcher, 1415 Folsom St., San Francsco; Zonne Electric Tool Co., 2226 So. San Pedro, Los Angeles.

HEALTH-MOR, INC., 503 N. Wabash Ave., Chicago, Ill.—Branch Office: 4913 W. Jefferson Blvd., Los Angeles; 3403 34th Ave. S. W., Seattle; 126 N.E. Broadway, Portland; 3232 Fruitvale Ave., Oakland; 1282 Huson St., So., Tacoma, 1810 W. Washington, San Diego; 1436 Santa Fe Dr., Denver.

HEDGES MANUFACTURING CO., INC., 700 East Main St., Chattanooga, Tenn.—J. H. Schmidt, Santa Fe Bldg., Dallas; Wilson & Co., San Francisco.

HEINEMANN ELECTRIC CO., Penna Ave. and Plum St., Trenton, N. J.—Northwestern Agencies, Inc., 4130 First Ave., South, Seattle; M. L. Fowler, 383 Brannan St., San Francisco 7; Don Porter, 1117 S. Robertson Blvd., Los Angeles; Paul A. Douden & Co., 1645 Wazee St., Denver 7; William Benndorf, 401 W. Jackson St., Phoenix.

HELLER CO., 2135 Superior Ave., Cleveland, Ohio—Branch Office: 420 Market St., San Francisco.

HELWIG COMPANY, 2544 No. 30th St., Milwaukee, Wis.—R. W. Fletcher, 7 Front St., San Francisco; F. S. Fletcher, 4150 S. Main St., Los Angeles; J. E. Richardson, 166 Jackson St., Seattle; H. E. Perkins, 317 N.W. Broadway, Portland; J. R. Christensen, 247 E. 5th South St., Salt Lake City; M. G. Mueller, 1644 Blake St., Denver.

HEMINGRAY GLASS INSULATORS, Toledo, Ohio—Maydwell & Hartzell, Inc., 158 Eleventh St., San Francisco; 427 W. 5th St., Los Angeles; 1238 N.W. Glisan St., Portland; 306 Dexter Ave., Seattle; 814 Paulsen Bldg., Spokane; 6710 N. 15th St., Phoenix.

HENDERSON ELECTRIC CO., Ampere, N. J.—George Gray Co., 2720 17th St., San Francisco; J. G. Pomeroy Co., 1004 E. 4th St., Los Angeles; Northwestern Agencies, Inc., 4130 First Ave. S., Seattle.

HENKEL-CLAUSS CO., Prospect Place, Fremont, Ohio—Winfield R. Jones, No. 5 Bonita Lane, Orinda, Calif.

HERTNER ELECTRIC CO., 12690 Elmwood Ave., Cleveland, Ohio—Robert M. Schow, 1709 W. 8th St., Los Angeles 14; Howe-Magnes Co., Inc., 420 Market St., San Francisco 11; Hathaway-Thrulow Co., 1500 Westlake North, Seattle 9.

HERWIG CO., 1757 Sedgwick St., Chicago, 14, Ill.—General Electric Supply Co., Westinghouse Electric Supply Co., Graybar Elec. Co., Inc., all cities. Incandescent Supply Co., San Francisco, Fresno, Oakland and Los Angeles; Coast Electric Co., San Diego and San Francisco; Lighting & Supply Co., San Francisco.

HESSE PRODUCTS CO., 600 West 7th St., Reno, Nev.—Hockensmith Sales Co., 1262 So. Boyle Ave., Los Angeles; J. W. Watkins, Skinner Bldg., Seattle 1; Hawaiian Elec. Co. Ltd., Honolulu, T.H.

HEVI-DUTY ELECTRIC CO., 4212 W. Highland Blvd., Milwaukee 1, Wis.—Pacific Scientific Co., 1915 First Ave. So., Seattle 4; 25 Stillman St., San Francisco 7, and 1430 Grande Vista Ave., Los Angeles 23—for industrial electric heat treating furnaces. Kirk-Palka Co., 420 Market St., San Francisco and 415 Wall St., Los Angeles, for constant current regulators, and Muth-Richards Co., 2605 Western Ave., Seattle 1, for dry type transformers and constant current regulators.

HEWSON CO., THE JOHN, 106 Water St., New York—E. G. Paules, 1762 W. Vernon, Los Angeles; Ed Ottsman & Sons, 536 Sansome St., San Francisco; A. E. Heinsohn, 1443 Blake St., Denver.

HEXACON ELECTRIC CO., 161 W. Clay Ave., Roselle Park, N. J.—Albert S. Knight Co., 3010 Western Ave., Seattle 1; Omer Cox Co., Rialto Bldg., San Francisco 5; J. E. Shull, 350 S. Central Ave., Los Angeles 13.

HIGH TENSION CO., INC., 36 No. Main St., Phillipsburg, N. J. J. B. Ambler, Denver Nat'l Bldg., Denver; Riter Eng. Co., Kearns Bldg., Salt Lake City; Paul S. Everley Co., 1063 Howard St., San Francisco; Agencies Co., 125 So. Santa Fe Ave., Los Angeles.

HIGHWAY TRAILER CO., Edgerton, Wis.—M & F Equipment Company, 2521 Isleta Road, Albuquerque, New Mexico; Truck Equipment Co., Inc., 3963 Walnut Street, Denver, Colorado; Crook Company, 2900 Santa Fe Avenue, Los Angeles 58, California; Four Wheel Drive Pacific Co., 469 Bryant Street, San Francisco 7, California; Cole Commercial Company, 3423 Fourth Avenue South, Seattle 4, Washington Utah Truck Equipment Co., 1045 South Main St., Salt Lake City 4, Utah.

HILL-SHAW CO., 311 N. Desplaines St., Chicago 6, Ill.—L. L. Raymer, 911 Western Ave., Seattle; M. A. Shirley, 282 6th St., San Francisco; George L. Woodward, 510 Merchandise Mart, Denver.

HI-SCALE PRODUCTS CORP., 217 Centre St., New York City—Northwest Sales Co., 1503 Northwest Johnson St., Portland 9; Eckert-Lloyd Co., 2115 S. San Pedro, Los Angeles 11, and 144 Townsend St., San Francisco.

HITCHNER & HITCHNER, 517 S. First St., Sandpoint, Idaho.

HI-VOLTAGE EQUIPMENT CO., 4000 E. 116th St., Cleveland, Ohio—Paul A. Douden Co., 1645 Wazee St., Denver; Joslyn Pacific Co., 5100 District Blvd., Los Angeles; 180 Portrero Ave., San Francisco; 803 N.W. 16 Ave., Portland; 2424 First Ave., South, Seattle; 1427 E. 3045 South St., Salt Lake City.

HOFFMAN RADIO CORP., 6200 S. Avalon, Los Angeles, Calif.—Branch Office: 325 Ninth St., San Francisco. Sold through leading appliance distributors.

HOLFAST RUBBER CO., 1486 Lakewood Ave. S.E., Atlanta, Ga.—J. M. Chapman Co., 290 9th St., San Francisco, and 2216 First Ave., Seattle 1; The Frank H. Bran Co., 607 E. 6th St., Los Angeles, and 444 Brannan St., San Francisco.

HOLLAND-RIEGER, 1070 E. 152nd Cleveland, Ohio.—Paul H. Rice & Co., 1355 Market St., San Francisco 3.

HOLOPHANE CO., INC., 342 Madison Ave., New York City 17—Robert G. Dummel, 344 Seville Way, San Mateo, Calif.; Frank van Gilluwe, 1517 Poppy Peak Dr., Pasadena, Calif.; Paul Davis, 659 Marine Dr., Bremerton, Wash.

HOLTZER-CABOT, 125 Amory St., Boston, 19, Mass.—A. W. Arlin, 1812 W. Silver Lake Drive, Los Angeles 26.

HOLUB INDUSTRIES, INC., Sycamore, Ill.—F. M. Nicholas Co., 140 Spear St., San Francisco; F. J. Airey Co., 1513 Mateo St., Los Angeles; Bruce-Emmett Co., 830 S.E. Alder, Portland, and 1016 First Ave., Seattle; E. T. Vonier, 1160 Elati St., Denver; Olson-Robertson Co., 2820 N. Henderson, Dallas.

HOMECRAFT ELECTRONIC PARTS, 3713 W. Roosevelt Road, Chicago, Ill.—General Mid-Western Distributors, Longmont, Colo.

HOMELITE CORPORATION, Riverdale Ave., Port Chester, N. Y.—Branch Offices: 624 S. Anderson St., Los Angeles; 1201 Shafter Ave., San Francisco; 4429 Airport Way, Seattle; East 2603 Sprague Ave., Spokane; 3935 N. Williams Ave., Portland; 167 Leslie St., Dallas; 3904 Burch St., Houston.

HOMES, INC., 5212 Homberg Dr., Knoxville, Tenn.—H. R. Kaewert, 885 Bridgeway, Sausolito, Calif.

HOOVER COMPANY, Kingston-Conley Div., 68 Brook Ave., North Plainfield, N. J.—Marwood Limited, 357 9th St., San Francisco; Ivan J. Riverson, 7543 Santa Monica Blvd., Hollywood; Shaffer & Nelson, 1215 N.W. Everett St., Portland, and 312 Occidental Ave., Seattle, also Spokane, Wash.

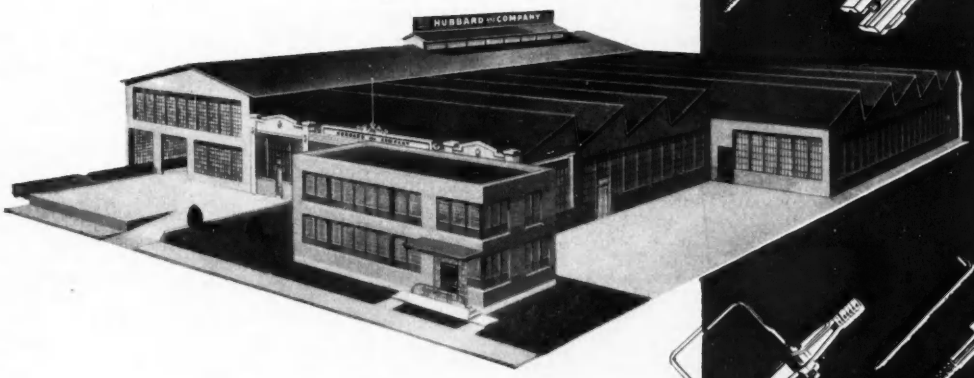
HOOVER BALL AND BEARING CO., East Hoover St., Ann Arbor, Mich.—Anti-Friction Bearings Co., 2020 S. Figueroa St., Los Angeles 7,; General Bearings Co., 2017 Santa Fe Ave., Los Angeles; Allan P. James Co., 419 Tenth St., San Francisco 3; Grebe-Harrington Co., 1024 N.W. Flanders St., Portland 9, and Grebe-Caldwell Co., 532 S. Third West St., Salt Lake City.

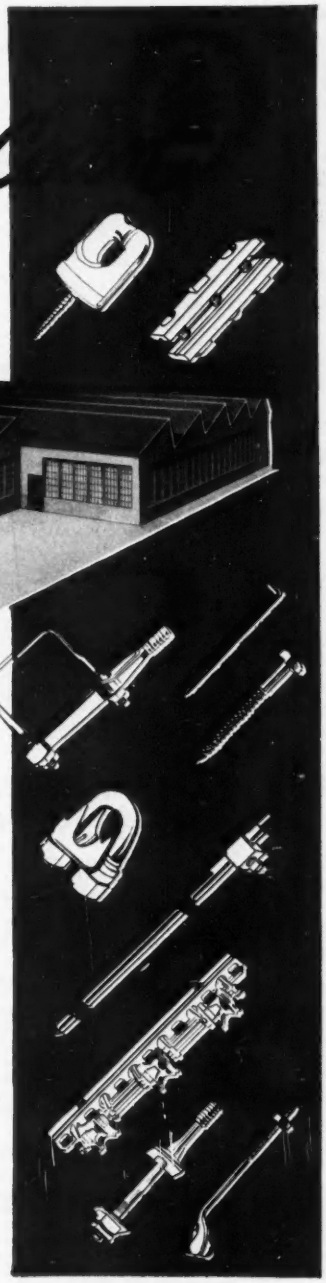
HOPE WEBBING CO., Providence 1, R. I.—C. D. LaMoree, 1325 San Julian, Los Angeles; 2221 Fourth St., Berkeley; 317 N.W. Broadway, Portland; 166 Jackson St., Seattle.

HORTON MANUFACTURING CO., 731 Osage St., Fort Wayne, Ind.—Ray Thomas Co., 1601 S. Hope St., Los Angeles; Raycraft Co., 568 Third St., Oakland; Boyd Dist. Co., 20 W. 13th St., Den-

(Continued on Page 26)

Serving the West c





from Hubbard and Company

OAKLAND

For more than a quarter of a century, Hubbard and Company, Oakland has been faithfully supplying the Pole Line Hardware needs of the West Coast.

More than 4000 items are manufactured by Hubbard and Company and distributed by the coast's leading electrical supply houses, of which there is always one near you.

We of Hubbard and Company consider this as just a start on things to come and we hope to continue to grow in our service to the most progressive and fastest growing section of our nation.

General Electric Supply Corporation and Graybar Electric Company, Inc. are distributors of Hubbard products on the West Coast.

HUBBARD AND COMPANY

OAKLAND, CALIFORNIA

"Hang the Load on Hubbard Hardware!"

ver; Walter B. Lloyd, 51 S. Second West, Salt Lake City; Seattle Radio Supply, Inc., 2117 Second Ave., Seattle; E. H. Krohn & Co., 113 E. Overland, El Paso.

HOSKINS MFG. CO., 4445 Lawton, Detroit, Mich.—E. A. Wilcox Co., 277 7th St., San Francisco 3, and 406 S. Main St., Los Angeles 13; Western Factors, 96 Dearborn St., Seattle.

HOTPOINT, Inc. (affiliate of GE Co.), 5600 W. Taylor, Chicago 44, Ill.—H. J. Scaife, Dist. Mgr., 1355 Market St., San Francisco; D. W. Rennewanz, 1411 4th Ave. Bldg., Seattle, and R. S. Holtzman, Mgr. Los Angeles Office, 360 Skyewiay Road, Brentwood, Calif.

HOTSTREAM HEATER CO., 2363 E. 69th St., Cleveland 4, Ohio—Harold Winningham & Co., 1117 Second Ave., Seattle; Leon M. Taylor, 166 Howell St., Dallas; H. P. Tudor, P.O. Box 1200, Albuquerque; Bill Wright & Co., 2935 Dexter St., Denver.

G. N. SOMERVILLE
Manufacturers Representative
The Ideal Electric & Mfg. Co.
Motors, Generators,
Switchgear and Capacitors
Viking Instruments, Inc.
Visible and audible alarms, safety controls
780 NATOMA STREET
SAN FRANCISCO 3
TELEPHONE MA 1-7563

HOUGHTON & CO., E. F., Quint & Davidson St., San Francisco, Calif.—Branch Offices: 913 Arctic Bldg., Seattle; 400 Concord Bldg., Portland; 111 West 7th St., Los Angeles.

HOWARD INDUSTRIES, INC., 1215 State St., Racine, Wis.—(Electric Motor Div. and Cyclohm Motor Corp. Div.) Joe Davidson & Associates, P. O. Box 108, South Gate, Calif.

HOWARD MFG. CORP., 1401 S. Main St., Council Bluffs, Iowa—E. T. Schoenbaum, 2378 Highland Ave., Altadena, Calif.

HOWARD RADIO CO., 1735 Belmont Ave., Chicago, Ill.—Wm. P. Swartz, 1855 Industrial St., Los Angeles 21; Verner O. Jensen Co., 2616 Second Ave., Seattle 1; Felix Simon, P. O. Box 614, Denver.

HOWELL ELECTRIC MOTORS CO., 409 N. Roosevelt Ave., Howell, Mich.—Campbell-Elsey & Co., 326 Ness Bldg., Salt Lake City; Wazee Electric Co., 1318 Market St., Denver; Allied Belting and Trans. Co., Dallas and Acme Engineers, 8219 Joplin St., Houston, Texas; Monarch Supply Co., 546 Howard St., San Francisco 5.

HOWZE & CO., W. D., 5603 N. Figueroa St., Los Angeles, Calif.

HOYT ELECTRICAL INSTRUMENT WORKS (Burton Rogers Co.) 292 Main St., Cambridge, Mass.—Geo. N. Norris Co., 2601 Second Ave., Seattle.

HUB ELECTRIC COMPANY, 2219 W. Grand Ave., Chicago 12, Ill.—Wm. A. McGuire, 923 E. 3rd St., Los Angeles; James Mundstock, 320 Market St., San Francisco; J. R. Christensen, 524 "F" St., Salt Lake City 3; F. C. Henkel, 317 Builders Exchange, Portland 4; Fred H. Adams, Blumenthal Bldg., El Paso; Glen B. Gaer, 107 E. Colfax Ave., Denver; Harry A. Miller, 1902½ McKinney Ave., Dallas.

HUBBARD AND COMPANY, Pittsburgh, Pa., Chicago, Ill., and 1250 45th St., Emeryville, Calif.—Marshall Lasher, Vice President Pacific Coast Div., 1250 45th St., Emeryville; N. V. Arntzen, Dist. Sales Mgr., 416 W. 8th St., Los Angeles (covers Arizona); C. E. Malloy, Sales Engr., 3335 N.E. Clackamas St., Portland Oregon; Wash., and Ida.; H. R. Edwards, Jr., Sales Engr., Emeryville, northern Calif., Utah, and Nevada. Distributors: Graybar Electric Co., and General Electric Supply Corp., all principal cities. Mine Smelter Co., Salt Lake City; Hawaiian Electric Co., Honolulu, T. H.; A. C. Brunner, Agent, Manila. (See adv., page 25.)

HARVEY HUBBELL, INC., State St. & Bostwick Ave., Bridgeport, Conn.—Grover A. Anderson, 542 Natoma St., San Francisco; A. M. McMillan, 103 N. Santa Fe Ave., Los Angeles; Frank A. Strohecker, 201 Eyres Bldg., Seattle; J. D. Martin, 1253 Cedar Haven, Dallas 16; Paul A. Douden, 1645 Wazee St., Denver.

HUBBELL CORP., Hawley Road, Mundelein, Ill.—C & S Equip. Co., 2103 S. San Pedro St., Los Angeles; Phillips Refrigeration Prod., 444 Potrero St., San Francisco; Mason Emanuels Co., 422 Smith Tower, Seattle.

HUGHES BROTHERS, Seward, Nebr.—George E. Tarbox, 439 Williams St., Denver 3; Maydwell & Hartzell, Inc., 158 11th St., San Francisco; 427 W. 5th St., Los Angeles 13; 1238 N.W. Glisan St., Portland 9; 306 Dexter Ave., Seattle 4; 814 Paulsen Bldg., Spokane; 6710 N. 15th St., Phoenix.

HULLHORST TOOLS, INC., 1915 Nebraska Ave., Toledo, Ohio—Associated Sales Engineers, 923 East 3rd St., Los Angeles; Electric Agencies, 6420 Salem St., Oakland, Calif.; Richardson Electric Co., 166 Jackson St., Seattle; J. R. Christensen, 247 E. 5th So. St., Salt Lake City; Phil L. Capy, Box 9538, Dallas 14.

HUNTER FAN AND VENTILATING CO., 400 South Front St., Memphis, Tenn.—Gordon Wood, 1855 Industrial St., Los Angeles; R. C. Brinkley, 1008 Western Ave., Seattle 4; Allied Sales Co., 1026 17th St., Denver.

HYATT BEARINGS DIV., General Motors Corp., Harrison, N. J.—Branch Office: 436 14th St., Oakland 12. Mr. L. S. Nagle, West Coast Mgr.

HYKON MFG. CO., 163 E. State St., Alliance, Ohio—Fred D. Benz Co., 444 Brannan St., San Francisco; Henry L. Guokas, 2629 Roanoke St., Dallas; J. R. Penning, 2328 Second Ave., Seattle; J. G. Pomeroy Co., 1004 E. Fourth, Los Angeles.

HYTRON RADIO & ELECTRONICS CO. (Div. of Columbia Broadcasting System, Inc.), 76 Lafayette St., Salem, Mass.—Russ Hines Co., 228 9th St., San Francisco; W. B. Knight Co., 10373 W. Pico Blvd., Los Angeles; A. J. Nelson, Box 2244, Denver; Northwestern Agencies, Inc., 4130 1st Ave. S. Seattle.

IDAHO POLE CO., Sandpoint, Ida.—Branch Office, Bozeman, Mont.

IDEAL INDUSTRIES, INC., Park Ave., Sycamore, Ill.—Products available from electrical distributors: C. D. Belt & Co., 1921 Blake St., Denver; L. M. Slusser, 318 Dooly Block, Salt Lake City, Utah; Northwestern Agencies Inc., 4130 First Ave. S., Seattle; John H. Maddox Co., 420 Market St., San Francisco; Maddox Sales Co., 912½ E. 3rd St., Los Angeles.

IDEAL ELECTRIC & MFG. CO., First & Oak Sts., Mansfield, Ohio—J. E. Edstrom, 519 N.W. Park Ave., Portland; G. N. Somerville, 780 Natoma St., San Francisco; Lombard Smith Co., 714 W. Olympic, Los Angeles; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver; A & A Supply Co., 819 Mims Bldg., Abilene; R. S. Trinnaman Co., 165 S. First West, Salt Lake City.

ILG ELECTRIC VENTILATING CO., 2850 N. Crawford Ave., Chicago 41, Ill. — Branch Offices: 1709 W. 8th St., Los Angeles; 55 New Montgomery, San Francisco; 7331 W. Greenlake Way, Seattle; 914 W. Madison St., Phoenix; 2695 Newland St., Denver; 41 Post Office Pl., Salt Lake City; P. O. Box 1602 El Paso; 1607 N. 2nd St., Albuquerque; 2695 Newland St., Denver; 1215 Texas Bank Bldg., Dallas; 1400 Tidelands Ave., National City, Calif.; 1215 N. W. Everett St., Portland.

ILLINOIS COIL SPRING CO., 2100 N. Major Ave., Chicago, Ill.—Benson Eng. Co., 30½ Highland Park Village, Dallas and 6731 Harrisburg Blvd., Houston. D. H. Lundin & Co., 1127 E. Northlake, Seattle 5; 4036 N.E. 32nd Pl., Portland.

ILLINOIS ELECTRIC PORCELAIN CO., 510 N. Pearl, Macomb, Ill.—Kenneth M. Anderson Co., 412 Seaton St., Los Angeles; Fred S. Baldwin Co., 4949 Stanford Ave., Seattle 5; F. M. Nicholas Co., 140 Spear St., San Francisco 5; E. H. Jacobs, P. O. Box 113, Dallas.

ILLINOIS ENGINEERING CO., Racine Ave. at 21st St., Chicago 8, Ill.—E. C. Cooley Co., 625 Market St., San Francisco; Preferred Equipment Co., Los Angeles; Caskey Engineering Co., Seattle; Ed. Lokey & Co., Portland.

ILLINOIS TESTING LABS, INC., 420 N. LaSalle, Chicago, Ill.—Lee & Freeman, 1550 First Ave. S., Seattle; James H. Knapp Co., 839 E. 4th St., Los Angeles; W. C. Matheson Co., 290 Ninth St., San Francisco.

ILSCO COPPER TUBE & PRODUCTS, INC., Cincinnati 27, Ohio—Electrical Specialty Co., 316 11th St., San Francisco; 2406 1st Ave. S., Seattle; 1015 21st St., Denver; Maddox Sales Co., 912½ E. 3rd St., Los Angeles.

INDIANA STEEL & WIRE CO., 700 S. Council, Muncie, Ind.—Graybar Electric Co., Inc., in all principal cities. (See adv., p. 26.)

INDEPENDENT PNEUMATIC TOOL CO., Aurora, Ill.—Branch Offices: 315 S. Van Ness Ave., San Francisco; 6200 E. Slauson Ave., Los Angeles; 146 W. 2nd St. S., Salt Lake City; 7241 Harrisburg Blvd., Houston.

INDUCTION HEATING CORP., 181 Wythe Ave., Brooklyn, N.Y.—Pacific Scientific Co., 1430 Grande Vista Ave., Los Angeles 23; 1915 First Ave. S., Seattle; 25 Stillman St., San Francisco; Terminal Sales Bldg., Portland.

INDUSTRIAL DEVICES, INC., Edgewater, N. J.—Wallace & Wallace, 1206 Maple Ave., Los Angeles 15; Edwin C. Dunn, P. O. Box 241, Littleton, Colo., Chas. L. Thompson, Ltd., 144 W. Hastings St., Vancouver, B. C.

INDUSTRIAL ELECTRONICS CORP., 80 Bank St., Newark, N. J.—Representatives in Los Angeles, San Francisco, Portland, Seattle, Boise, Ida.

INDUSTRIAL ENGINEERING & EQUIPMENT CO., 711 S. Theresa St., St. Louis, Mo.—R. W. Scott & Associates, 2534 38th Ave., San Francisco; Al Gardner, 1423 N.E. 28th, Portland; Franklin Engineering, 829 San Fernando Bldg., Los Angeles.

Crapo Galvanized Products

Crapo STEEL STRAND

There is a size and grade of Crapo Galvanized Steel Strand for every practical need. Galvanized by the famous Crapo Process and furnished in the following grades: Siemens-Martin, High Strength, Extra High Strength, Commercial Grade (Extra Galvanized), Specification (Utilities) Grade 7-wire and Utilities Grade 3-wire Strand. All standard sizes.

•

Crapo STEEL Conductors

Crapo HTC-130 and Crapo HTC-80 Stranded (3-wire) Conductors provide a practical combination of physical properties and electrical efficiency for the overhead transmission and distribution of power. Make possible long spans with flat sags and greater ground clearances, reduce the number of pole structures required, save material and man-hours.

•

PREFORMED ARMOR RODS

Preformed Armor Rods provide a dependable, economical way to reinforce and protect overhead conductors and static wire at the point of and in the region of the support. Minimize wear and chafing; tend to absorb and dissipate vibration; protect against arcing and flashovers; afford excellent holding power against slippage. Manufactured in galvanized steel, aluminum, copper or bronze.

INDIANA STEEL & WIRE COMPANY
MUNCIE, INDIANA

INDUSTRIAL MICA CORP., 945 61st St., Brooklyn, N. Y.—Samuel Siegel, P. O. Box 1378, Beverly Hills, Calif.

INDUSTRIAL SAFETY BELT CORP., 51 Chatham St., Pittsburgh, Penna.—James L. Kearns, 331 S. E. 62nd St., Portland.

INDUSTRIAL TAPE CORP., Highway 25, New Brunswick, N. J.—C. D. La Moree, 1325 San Julian St., Los Angeles 15; 2221 Fourth St., Berkeley; 317 N.W. Broadway, Portland 9 and 166 Jackson, Seattle 1.

INDUSTRIAL TELEVISION, INC., 359 Lexington Ave., Clifton, N. J.—David Ross Co., 1355 Market St., San Francisco 3; Bryon McDonald Co., 5717 Condon Ave., Los Angeles 56.

INDUSTRIAL TIMER CORP., 112 Edison Place, Newark, N. J.—E. V. Roberts & Associates, 5014 Venice Blvd., Los Angeles.

INET, INC., 8655 S. Main, Los Angeles, Calif.—C. E. Ingalls & Sons, Monadnock Bldg., San Francisco; W. H. Eddy Elec. Prod. Inc., P.O. Box 1428, Phoenix; Elec Supplies Dist. Co., San Diego, Calif.; Hamilton Associates, 512 Insurance Bldg., Denver 2 and 4715 Watauga Rd., Dallas; R. F. Hendry & Co., Smith Tower, Seattle 4.

INLAND GLASS WORKS, Div. Chamberlain, Inc., 6101 W. 65th St., Chicago, Ill.—Ralph I. Wall, 1640 Camulos Ave., Los Angeles; George D. Norris Co., 3010 First Ave., Seattle 1.

INSULATION & WIRES, INC., 3435 Chauteau, St. Louis, Mo.—Insulation & Wires, Inc., 1077 Howard St., San Francisco; 2240 E. Washington Blvd., Los Angeles and 1702 N.E. Sandy Blvd., Portland.

INSULATED DUCT & CABLE CO., Stokes Ave., Trenton, N. J.—Hodges & Glomb, 1264 Folsom St., San Francisco; Albert S. Knight Co., 3010 Western Ave., Seattle.

INSULATION MANUFACTURERS CORPORATION, 565 W. Washington Blvd., Chicago, Ill.—Electrical Specialty Co., 418 East Third Street, Los Angeles 13, Calif.; 316 Eleventh Street, San Francisco 3, Calif.; 1015 21st Street, Denver 2, Colo.; 325 Northwest Sixth Avenue, Portland 9, Oregon; Tri-State Supply Corp., 544 S. San Pedro, Los Angeles 13; 554 Bryant St., San Francisco 7; 318 Occidental Ave., Seattle 4; Western Fiberglas Supply Co., 739 Bryant St., San Francisco and 937 S. Grand, Los Angeles 15; Insulation & Wires, Inc., 2240 E. Washington Blvd., Los Angeles; 1702 N.E. Sandy Blvd., Portland 14 and 1077 Howard St., San Francisco.

INSULINE CORP. OF AMERICA, 36-02 35th Ave., Long Island City, N. Y.—Perlmuth-Colman & Associates, Inc., 1335 S. Flower St., Los Angeles; 420 Market St., San Francisco; Sam N. Stroum, 610 19th Ave. N., Seattle; M. Pearson, 1011 S. Josephine, Denver.

INTERNATIONAL APPLIANCE CORP., 222 Fifth Ave., New York City—Eric F. Chemnitz & Co., 1355 Market St., San Francisco; 1148 S. Grand Ave., Los Angeles; Earl E. Eckstrom & Associates, 2601 Second Ave., Seattle; Edward J. Lackner Co., 680 Bellaire, Denver.

INTERNATIONAL CROSSARM CO., INC., Bellingham, Wash.

INTERNATIONAL GRAPHITE & ELECTRODE CORP., St. Marys, Pa.—E. A. Wilcox Co., 277 7th St., San Francisco 3; 406 S. Main, Los Angeles 13; 417 Arctic Bldg., Seattle 4.

INTERNATIONAL HARVESTER CO., 180 N. Michigan Ave., Chicago, Ill.—Branch Offices: 201 Potrero St., San Francisco; 734 Lawrence St., Los Angeles; 55 S.E. Belmont St., Portland; 1305 15th St., Denver; 701 W. 17th St., Cheyenne; 715 E. Sprague Ave., Spokane; 435 W. 4th South St., Salt Lake City.

INTERNATIONAL METAL PRODUCTS CO., 500 S. 15th St., Phoenix, Ariz.—Nate Kopald, 136 N. Sweetzer, Los Angeles 36; O. J. Grendahl, Box 191, Aurora, Colo.; J. J. Fleming, P. O. Box 1712, Phoenix.

INTERNATIONAL NICKEL CO., INC., 67 Wall St., New York City 5.—Pacific Metals Co., Ltd., 3100 19th St., San Francisco; 1400 S. Alameda St., Los Angeles; Eagle Metals Co., 4755 1st Ave. So., Seattle; 2336 N. Randolph Ave., Portland, and E. 320 Trent Ave., Spokane; Metal Goods Co., 2425 Walnut St., Denver.

INTERNATIONAL RECTIFIER CORP., 1521 E. Grand Ave., El Segundo, Calif. — Allen I. Williams, 230 Cooper Bldg., Denver 2; C. B. Parsons & Co., 119 Belmont Ave. N., Seattle 3; Jordan Sales Co., 5313 N. 12th St., Phoenix; Eichorn & Melchoir, 501 Indiana St., San Francisco 7.

INTERNATIONAL REGISTER CO., 2620 W. Washington Blvd., Chicago, Ill.—Keeler White Co., (in following cities) 615 7th St., San Francisco; 422 N.W. 4th St., Portland; 1041 6th Ave. So., Seattle; The McLoughlin Co., 811 E. 14th Place, Los Angeles; H. George Sheffer Co., 240 So. 1st Ave., Phoenix; E. T. Vonier Co., 1160 Elati, Denver.

INTERNATIONAL RESISTANCE CO., 401 N. Broad St., Philadelphia, Pa. — Marshank Sales Co., 672 S. Lafayette Park Pl., Los Angeles 5; J. P. Hermans Co., 1234 Folsom St., San Francisco 3; David M. Lee, 819 Thomas St., Seattle 9; Ronald G. Bowen, 852 Broadway, Denver 3.

IRON FIREMAN MFG. CO., 3239 W. 106th St., Cleveland 11, Ohio—Montgomery Bros., 1122 Howard St., San Francisco; 2113 S. San Pedro, Los Angeles; 911 Western Ave., Seattle and 1104 N.W. 15th Ave., Portland.

IRONRITE, INC., 332 Cass Ave., Mt. Clemens, Mich.—Gordon E. Wilkins Ironers, Inc., Oakland, Los Angeles, Salt Lake, Phoenix; F. B. Connelly Co., Seattle and Portland; Columbia Elec. Mfg. Co., Spokane; Midland Implement Co., Billings, Mont.; Western Appliance Corp., Denver; Car Parts Depot, El Paso; Zork Hardware, Albuquerque.

IRVINGTON VARNISH & INSULATOR CO., 6 Argyle Terrace, Irvington, N. J.—C. D. LaMoree, 1325 San Julian St., Los Angeles 15; 2221 Fourth St., Berkeley 2; 317 N.W. Broadway, Portland; C & H Supply Co., Adm. Bldg., Kings City Airport, Boeing Field, Seattle; Electric Motor Supply Co., 1646 Blake St., Denver 2; J. R. Christensen Agency, 247 E. 5th So., Salt Lake City.

I-T-E CIRCUIT BREAKER CO., 19th and Hamilton Sts., Philadelphia, Pa. — Branch Offices: Room 219 Rialto Bldg., 116 New Montgomery St., San Francisco 5 and Denham Bldg., 635 18th St., Denver 2. Sales Agents: W. R. L'Hommedieu, 722 E. Washington Blvd., Los Angeles 21; Garland Affolter Eng. Corp., 1233 N.W. 12th St., Portland 9 and 2603 Western Ave., Seattle 1; Central Station Equipment Co., 2323 Aviation Highway, Tucson; Butler & Land, 5538 Dyer St., Dallas; Elec'l & Mechanical Supply Co., Inc., 708 N. Piedras St., El Paso and 208½ W. San Francisco St., Santa Fe; Lynn Elliott Co., 1 Main St., Houston; Monitor Home Appliances, Inc., 604 Utah Ave., Butte, Mont.; Riter Engineering Co., 136 So. Main St., Salt Lake City 1.

J-B-T INSTRUMENTS, INC., 441 Chapel St., New Haven 8, Conn.—James P. Hermans Co., 1234 Folsom St., San Francisco; James J. Backer Co., 2321 Second Ave., Seattle; Howard M. Saul & Associates, 5720 Wilshire Blvd., Los Angeles.

JACK & HEINTZ PRECISION INDUSTRIES, INC., 17600 Broadway, Cleveland, Ohio — Branch Office: 1009 W. Arbor Vitae St., Inglewood 1, Calif.

JAMES CLOCK MFG. CO., 5307 E. 14th St., Oakland 1, Calif.—Dohrman Commercial Co., 972 Mission St., San Francisco; Universal Hotel Supply Co., 1117 Santee St., Los Angeles; Scientific Supplies C., Seattle; Braun Corp., 2260 E. 15th St., Los Angeles.

JANETTE MANUFACTURING CO., Lehigh at Main, Morton Grove, Ill.— Renold Ceventry Ltd., 1066 Seymour St., Vanvouver, B.C.; George E. Zweifel, 103 So. W. Front Ave., Portland 4; L. R. Burmester, 546 Howard St., San Francisco.

JAY KAY METAL SPECIALTIES CO., 192 E. 4th St., New York City 9, N.Y.—The Clyde Allen Co., 1355 Market St., San Francisco.

JEFFERSON ELECTRIC CO., 25th and Madison, Bellwood, Ill.—L. O. Dugan, 1427 So. Hope St., Los Angeles; F. C. Scharr, 441 Dexter Horton Bldg., Seattle.

JEFFRIES TRANSFORMER COMPANY, 1710 E. 57th St., Los Angeles 58, Calif.—Sold direct from factory.

JELLIFF MFG. CORP., The C. O., Southport, Conn. — Perlmuth-Colman Associates, 420 Market St., San Francisco; 1335 So. Flower St., Los Angeles; 704 Third Ave., Seattle; 730 17th St., Denver.

JENKINS BROS., 100 Park Ave., New York City—O. W. Coombs, 1026 So. Olive St., Los Angeles; The Sanderlin Co., 129 First Ave. West, Seattle; Kenneth B. Schumann Co., 814 12th St., Denver; Nuro Co., 414 Houston Bldg., San Antonio.

JWRCO

74 W. 4th South

Salt Lake City 1, Utah

Engineering & Factory Representation in Utah, Idaho, Montana Wyoming and Colorado

MANUFACTURERS

If your company and your Western Sales outlets are not listed in our 1952 Manufacturers Directory—make certain they are sent to us for our file so they will appear in the 1953 Directory.

MARWOOD Ltd. has them

. . . in four Coast stocks

VULCANIZED FIBRE Sheets, Rods & Tubes

VULCOID Moisture Resisting Fibre

DILECTO & CELORON Phenol Formaldehyde Laminates Sheets, Rods & Tubes

SPIRAL TUBING

MICABOND Mica in its most usable form

MARWOOD FABRICATING DEPARTMENT

Completely equipped shop for production of punched, sawed, milled, turned, or sheared parts from all the above non-metallics. We welcome an opportunity to submit our quotation from your blueprints or samples.

MARWOOD LIMITED

San Francisco • Los Angeles • Seattle • Portland

JEWEL RADIO CORP., 10-40 45th Ave., Long Island City, N. Y.—Les Taufenbach Co., 4860 Valley Blvd., Los Angeles 32 and 1355 Market St., San Francisco.

JOHNS-MANVILLE, 22 E. 40th St., New York City 16—Branch Offices: 116 New Montgomery St., San Francisco 5; 600 16th St., Oakland 12; 816 West 5th St., Los Angeles 13; 777 Thomas St., Seattle 9; 217 Terminal Sales Bldg., Portland 14; 403 Dooly Block, Salt Lake City; 1765 Glenarm Pl., Denver.

JOHNSON CO., E. F., 206 Second Ave. S.W. Waseca, Minn.—Don C. Wallace, 1206 Maple Ave., Los Angeles; Los Logan, 530 Gough St., San Francisco; Dave M. Lee Co., 819 Thomas St., Seattle and 2712 Northeast Raleigh St., Portland 10; Ronald G. Bowen, 852 Broadway, Denver 3.

JONES, HOWARD B., Div. Cinch Mfg. Corp., 2460 W. George St., Chicago 18, Ill.—Branch Office: 1709 W. 8th St., Los Angeles.

C. E. INGALLS AND SONS

Factory Representatives of Manufacturers of Electrical Equipment

541 Monadnock Bldg.
San Francisco 5, Calif.
GArfield 1-2916

JONES METAL PRODUCTS CO., THE, West Lafayette, Ohio—O. W. Coombs, 1026 So. Olive St., Los Angeles 15, and 21 So. Park, San Francisco 7; Bruce-Emmett Co., 830 S.E. Alder St., Portland 14, and 1016 First Ave. S., Seattle 4; Fred E. Stahle & Sons, 2046 Arapahoe St., Denver 2; Fred H. Simmer, 1431 Levee St., Dallas.

JOSLYN MFG. & SUPPLY CO., 20 N. Wacker Drive, Chicago, Ill.—Branch Offices: Joslyn Pacific Co., 5100 District Blvd., Los Angeles; 180 Potrero Ave., San Francisco; 2424 First Ave. So., Seattle; 808 N.W. 16th St., Portland; 1427 E. 3045 South St., Salt Lake City; Arizona Wholesale Supply Co., P.O. 2379, Phoenix (Westinghouse Elec. supply all principal cities), Hawaiian Electric Co., Ltd., Honolulu, T.H.

JORDAN REFRIGERATOR CO., INC., 58th St. and Grays Ave., Philadelphia, Pa.—Norman Roossin, 742 S. Hill St., Los Angeles; Medill Sales Co., 802 12th St., Denver; James A. Bertha, 910 S. Shepherd, Houston.

JUSTRITE MANUFACTURING CO., 2061 No. Southport Ave., Chicago, Ill.—Branch Office: 448 Monadnock Bldg., San Francisco 5—Paul V. Miles, Western Mgr.

KPF ELECTRIC CO., 1624 East Alpine Ave., Stockton 5, Calif.

KAAR ELECTRIC CO., 2995 Middlefield Road, Palo Alto, Calif.—Verner O. Jensen Co., 2616 Second Ave., Seattle; Gordon S. Armstrong, 814 Dominion Bldg., Vancouver, B. C.; E. G. Wence, Box 1695, Hilo, T. H.; Sherwood French, 721 Garland Dr., Palo Alto, Calif; George Davis, 5127 Whittier Blvd., Los Angeles.

KAISER ALUMINUM & CHEMICAL SALES, INC., 1924 Broadway, Oakland 12, Calif.—Western Branch Offices at S. W. 6th & Taylor, Portland; 308 Hoge Bldg., Seattle; P. O. Box 1451, Spokane; 1924 Broadway, Oakland; 417 So. Hill St., Los Angeles; 910 Sixteenth St., Denver—Also sold thru General Electric Supply, Westinghouse Electric Supply Corp., and Line Materials Co.

KATO ENGINEERING CO., 1415 First Ave., Mankato, Minn.—Northwestern Agencies, 4130 First Ave. South, Seattle 4; Charles I. Thompson, 132 Hastings St. W., Vancouver, B.C.; Kaelin Electric, 1412 So. Los Angeles St., Los Angeles 15.

KAUFMAN MFG. CO., 29th and Meadow Lane, Manitowoc, Wis.—A. S. Knight, 3010 Western Ave., Seattle 1; R. E. Van Scoter Co., 4171 Everett St., Wheat Ridge, Colo.; Baxter Jones & Associates, P.O. Box 8593, Dallas.

KAYLINE CO., 2480 E. 22nd St., Cleveland, Ohio—Fred J. Stone, 1355 Market St., San Francisco.

KEARNEY CORP., JAMES R.—4236 Clayton Ave., St. Louis, Mo.—Maydwell & Hartzell, Inc., in following cities: 158 11th St., San Francisco 3; 427 West 5th St., Los Angeles 13; 306 Dexter Ave., Seattle 4 and 1238 N.W. Glisan St., Portland 9; 814 Paulsen Bldg., Spokane and 6710 N. 15th St., Phoenix; Conely Engineering Co., 165 So. First West St., Salt Lake City; Eugene E. Holke, 379 Hudson, Denver. (See adv., page 29.)

KEESE ENG. CO., 7354 Santa Monica Blvd., Hollywood 46, Calif. — 411 Brannan St., San Francisco 7.

KEES MFG. CO., F. D., 24 High St., Beatrice, Neb. — Fred S. Zaugg, 927 N.W. Irving St., Portland; A & A Supply Co., P.O. Box 1516, Albuquerque; Edward J. Ryan, Merchandise Mart Bldg., Denver 2; Magnes Co., 725 2nd St., San Francisco 7.

KELLEMS CO., 15 Williams St., Stonington, Conn.—R. E. Cunningham & Son, 701 Pacific Mutual Bldg., Los Angeles; George E. Honn Co., 420 Market St., San Francisco; Franklin Sales Co., Security Life Bldg., Denver; Williamson Sales Co., 5541 Armour Dr., Houston, and Irwin-Keasler Bldg., Dallas.

KELLOGG SWITCHBOARD & SUPPLY CO., 6650 S. Cicero Ave., Chicago, Ill.—Branch Office: 1663 Mission St., San Francisco, E. R. Sears, Mgr. 406 S. Main St., Los Angeles; Jewel-Summer Co., 407 Commercial Center, Beverly Hills, Calif.; J. L. Merriam, 720 S. W. Washington St., Portland.

KELMAN ELECTRIC & MFG. CO., 1650 Naud St., Los Angeles, Calif.—C. E. Ingals & Sons, Monadnock Bldg., San Francisco; Eicher & Co., Colman Bldg., Seattle; C. A. D. Young, 726 Colorado Bldg., Denver.

KELNOR MANUFACTURING CORP., 222 Kearney St., San Francisco, Calif. — Clay Estes Co., 1355 Market St., San Francisco.

KELVINATOR DIVISION—Nash Kelvinator Corp., 14250 Plymouth Road, Detroit 32, Mich.—West Coast Regional Manager, E. B. Barnes, 2325 E. 12th St., Oakland; Branch Offices: 2914 E. 46th St., Los Angeles 58 and 2819 Elliott Ave., Seattle 1; Distributors: Charles Ilfeld Co., 200 N. First St., Albuquerque; Taylor Dist. Co., P.O. Box 1116, Billings; Western Appliance Corp., 201 So. Cherokee, Denver; Elec. Equipment Co., First Ave. at Madison, Phoenix; Wilmot Hardware Co., 115 N. Main St., Roswell N. M.; Flint Dist. Co., 316 W. 2nd South St., Salt Lake City.

KENNAMETAL, INC., Lloyd Ave., Latrobe, Pa. — Branch Offices: 1229 California St., Denver 4; 101 Beverly St., San Francisco 27; 3715 Santa Fe Ave., Los Angeles 58; General Tool Eng., Box 4062, Sta. B, Spokane 15; Campbell Hdwe. & Supply, 3433 Airport Way at Spokane St., Seattle 4.

KENNECOTT WIRE & CABLE CO., Bourne Ave., Phillipsdale, R. I.—Chase Brass & Copper Co., 210 So. Central Ave., Los Angeles 54, and 680 Second St., San Francisco, and 1957 First Ave., South, Seattle 4.

KERITE COMPANY, 30 Church St., New York City—Branch Offices: The Kerite Co., 582 Market St., San Francisco; 3901 San Fernando Rd., Glendale 4, Calif.

KETT TOOL COMPANY, 5 East Third St., Cincinnati, Ohio—James E. Allen, Box 86, Pacific Palisades, Calif.

KEWANEE BOILER CORP., Franklin St. and "Q" Tracks, Kewanee, Ill.—E. H. Langdon Co., 72 Vine St., Seattle 1; Sullivan Valve & Eng. Co., 2932 East Trent Ave., Spokane; Wm. S. Turner, 432 Pacific Bldg., Portland; R. M. Gunzel, 320 Crocker St., Los Angeles 13; J. O. Martin Co. Inc., 637 Minna St., San Francisco; Williams, Gritton & Wilde, 204 Dooly Bldg; Salt Lake; Harry H. Herman & Co., 1226 California St., Denver 4.

KEYSTONE CARBON CO., 1935 State St., St. Marysville, Pa.—Powdered Metal Products. 802 E. 61st St., Los Angeles 1. (See adv., page 63.)

KEYSTONE ELECTRIC MFG. CO., 2228 E. Tioga St., Philadelphia, Pa.—Electrical Engr. & Sales Co., 2030 Texas St., El Paso.

KEYSTONE MFG. CO., 23328 Sherwood, Center Line, Mich.—Keeler, White Co., 436 Colyton St., Los Angeles; 615 Seventh St., San Francisco; 204 Keith Bldg., Denver.

KIDDE CO., INC., WALTER, Belleville, N. J.—District Office 3327 W. Washington Blvd., Los Angeles 18. Sold through leading distributors in all principal cities.

KILLARK ELECTRIC MFG. CO., 3940 Easton Ave., St. Louis 13, Mo. — Northwestern Agencies, Inc., 4130 First Ave. So., Seattle 4; F. M. Nicholas Co., 140 Spear St., San Francisco; Kenneth Anderson Co., 412 Seaton St., Los Angeles 13; Kenneth B. Schumann, 814 12th St., Denver; George E. Anderson Co., 1901 Griffin St., Dallas 2.

KIM MFG. CO., 1800 Canon Blvd., Altadena, Calif.

KINDORF, Div., Steel City Electric Co., 4060 Harlan St., Emeryville, Calif.—Robert A. Young Co., 3901 San Fernando Rd., Glendale, Calif.; Proby Brothers, 817½ Fifth Ave. No., Seattle; 135 N. W. Park Ave., Portland; 121 So. Madison, Spokane; Slaybaugh-Thompson, 190 W. 13th Ave., Denver.

KIRKLAND CO., THE H. R., 8-10 King St., Morristown, N. J.—Graybar Electric Co., General Electric Supply and Westinghouse Elec. Supply in all principal cities.

KIRLIN CO., 3435 E. Jefferson, Detroit 7, Mich.—Dan Galvin, 1621 Main St., Dallas; Wm. Benndorf, 401 W. Jackson St., Phoenix; C. T. Bakeman, 752 Natoma St., San Francisco; A. C. Slater, 9011 15th Ave. N.E. Seattle.

KIRKMAN-ENGINEERING CORP., 123 Mercer St., New York City—California-Arizona Sales Agency, 301 West G St., San Diego; Electrical Specialty Co., 316 11th St., San Francisco; 2406 First Ave. So., Seattle 1; 418 E. Third St., Los Angeles 13; 1015 21st St., Denver 2; George E. Anderson Co., 1903 Griffin, Dallas 2.

KIRKWOOD COMMUTATOR CO., 1345 Carnegie Ave., Cleveland, Ohio—Insulation & Wires, Inc., in following cities: 2240 E. Washington Blvd., Los Angeles; 1077 Howard St., San Francisco; 1702 N. E. Sandy Blvd., Portland; Tri-State Supply Corp., 544 S. San Pedro St., Los Angeles; 554 Bryant St., San Francisco; and 318 Occidental Ave., Seattle.

KISCO CO. INC., 2400-40 DeKalb St., St. Louis, Mo.—Electri-Cal, 5455 Hollywood Blvd., Los Angeles 27; L. M. Baxter Co., 1220 S. W. Stark St., Portland; 1006 Lowman, Seattle; and 926 Natoma St., San Francisco.

KITCHEN AID Div. Hobart Mfg. Co., 651 Penn Ave., Troy, Ohio—D. E. Sanford Co., 12th and Howard Sts., San Francisco; 1931 Second Ave., N.E., Seattle 1; 1049 S. Hill St., Los Angeles; D. H. Sluman & Co., 7700 W. 13th Ave., Denver.

KLIEGL BROS. Univer. Elec. Stage Ltg. Co., Inc., 321 W. 50th St., New York City 19—C. J. Holzmueller, 1108 Howard St., San Francisco.

KLEIN & SONS, Mathias, 3200 Belmont Ave., Chicago, Ill.—C. L. Woolsey, 1320 Opachee Way, Glendale, Calif.

KNAPP-MONARCH CO., 3501 Bent Ave., St. Louis, Mo. — Branch Office: 502 Merchandise Mart Bldg., Los Angeles. Mr. Wm. B. Foster, Mgr., H. H. Levora, 1301 S. E. Chestnut St., Beaverton, Ore; Clair Wood, 1356 Pearl St., Denver; John Tsarnas, 120 Parnassus, San Francisco.

KNOX PORCELAIN CORP., Knoxville, Tenn.—Bruce-Emmett Co., 1016 First Ave So., Seattle 4, and 830 S. E. Alder St., Portland; H. H. Van Luven, 537 Ceres Ave., Los Angeles; Sales Engineers, 1440 11th St., Denver; L. M. Baxter Co., 926 Natoma, San Francisco; Gus B. Valkus Co., 1711 Kelly St., Dallas.

KONDU CORPORATION, 1040 West 12th, Erie, Pa.—F. D. Moran, P. O. Box 881, Denver; Bruce-Emmett Co., 830 S. E. Alder, Portland, and 131 First Ave. W., Seattle; A. B. Murphy, 228 9th St., San Francisco.

KOPPERS COMPANY, INC., Metal Products Div., 200 Scott St., Baltimore, Md.—Oliver B. Lyman, 55 New Montgomery St., San Francisco 5; Schloss & Shubart, 1626 Wazee St., Denver 2; A. W. Anderson Co., 164 So. Central Ave., Los Angeles 12; Milwaukee Machinery Co., 1933 S. E. Union Ave., Portland 14; The Galigher Co., 545 W. 8th South St., Salt Lake City 4; Birger A. Guthe Co., 1214 E Anaheim St., Long Beach 13; Hatch Grinding Co., 818 Broadway, Denver.

KORD MANUFACTURING CO., INC., 4510 White Pl. Rd., New York City—Bruce-Emmett Co., 830 S. E. Alder, Portland; McDonald & Shaw, Southland Hotel, Dallas.

KORNS COMPANY, C. C., 350 Southmont Blvd., Johnstown, Pa.—Incandescent Supply Co., 647 Mission St., Graybar Electric Co., 1750 Alameda St., San Francisco; Gough Industries, 827 E. 1st St., Los Angeles.

For the West Coast

It's KEARNEY EQUIPMENT

Engineered to do the Job Better!

TRIP-O-LINK FUSE CUTOUT

Rating 5,000 to 15,000 Volts — 50-100 Amperes. Single shot provides positive low cost insurance against transformer burnout, and needless circuit interruptions. An original Kearney design.

TRIP-O-LINK TRIP SAVER CUTOUT
2 Shot Reclosing Type

Rating 5,000 to 15,000 Volts — 50 Amperes. Automatically recloses the interrupted circuit through the reserve fuse — restores service and eliminates service trips.

TRIP OUT FUSE CUTOUT

Rating 5,000 to 69,000 Volts — 100-200 Amperes. A rugged, heavy duty fuse cutout built to interrupt the high short circuit currents of modern day distribution and transmission lines.

TRIP SAVER FUSE CUTOUT

Rating 5,000 to 34,500 Volts — 100-200 Amperes. Positive continuous sequence of action resets automatically, eliminates costly service interruptions.

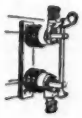
TRIP-O-MATIC FUSE CUTOUT

Rating 5,000 to 7,500 Volts — 50-100 Amperes. Isolates service interruptions and protects expensive distributing equipment. Simplicity of the tripping mechanism makes it possible to clear either low overloads or heavy short circuits with equal facility.

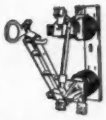
KEARNEY FUSE LINKS FOR BETTER FUSING COORDINATION

In the manufacturing process of Kearney Fuse Links, a continuous series of tests and inspections by experienced engineers results in a high degree of accuracy and uniformity.

HOOK-OPERATED DISCONNECT SWITCH



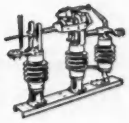
Ratings 7,500 to 69,000 Volts — 200-600 Amperes. Made of field tested material of the highest quality. Kearney Hook-Operated Disconnect Switches offer you trouble-free performance for isolating substation equipment and feeder lines.



REGULATOR BY-PASS DISCONNECT SWITCH

Rating 7,500 to 15,000 Volts — 200-600 Amperes. With Kearney Regulator By-Pass Switches safe switching sequence is automatic, eliminating the hazards of opening the wrong disconnect; takes care of four distinct switching operations in safe, logical order.

GROUP-OPERATED DISCONNECT SWITCH



Rating 7,500 to 69,000 Volts—200-400-600 Amperes. Available in Tilting and Rotating Insulator type—adaptable to single or multiple pole application. Proven to be long-lasting and dependable.

Ultra High Pressure Disconnect Switch

Available in 600 Amps., all standard ratings 7.5 to 69 KV inclusive. The low-operating temperature of this revolutionary design means longer service life. Write for bulletin 6-25 for more detailed information.

Reduce Your Connector Cost By 50% With The NEW Kearney SQUEEZON

The Kearney Squeezon is a completely new type connector that eliminates contact corrosion. Features higher electrical and mechanical efficiency. Write today for the big 8-page booklet with complete information.

NEW Kearney AIRSEAL
For Greater Permanent Protection to ALL Connections

Kearney AIRSEAL is a pliable, high-dielectric compound, chemically inert, which when applied to connections forms a permanent seal against high resistance contamination. Write for complete information and prices.

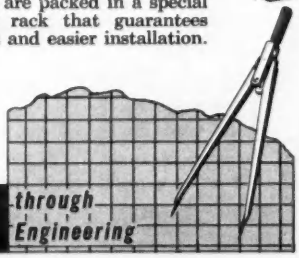
For Power Factor Correction or Voltage Improvement—Use Kearney SHUNT CAPACITORS

Kearney Shunt Capacitors are designed to fit all standard mounting racks—they are made with extra heavy wet process porcelain bushings and a welded sheet steel case. Kearney Capacitors are packed in a special protective shipping rack that guarantees factory fresh receipt and easier installation.

For Prices and Information Contact

MAYDWELL & HARTZELL
INCORPORATED
LOS ANGELES • SAN FRANCISCO • PORTLAND

JRK-199



KEARNEY *Gives a Little More for a Little Less* *through Engineering*

KORTICK MFG. CO., 345 First St., San Francisco 5, Calif.—Maydwell & Hartzell, Inc., 427 W. 5th St., Los Angeles 13; 1238 N. W. Glisan St., Portland 9; 306 Dexter Ave., Seattle 9; 814 Paulsen Bldg., Spokane; 6710 N. 15th St., Phoenix; Columbia Electric and Mfg. Co., Spokane; H. R. Slocum Co. Honolulu, T.H. (See adv., page 30.)

KRYLON, INC., 2601 N. Broad, Philadelphia, Pa.—Leslie D. Morrison, 704 The Alameda, Berkeley 7, Calif.

KUHLMAN ELECTRIC CO., 1000 26th St., Bay City, Mich.—Branch Office: 420 Market St., San Francisco; C. P. Crowley, 117 W. 9th St., Los Angeles; Shaffer & Nelson, 312 Occidental Ave., Seattle 4 and 824 Realty Bldg., Spokane; 1215 N. W. Everett St., Portland; Wm. J. Cottrell Co., 11341 S. W. Pacific Highway, Portland; W. H. Eddy Elec. Prod., Inc., 957 E. Van Buren St., Phoenix; Triangle Elec. Supply Co., Inc., 333 W. San Antonio, El Paso; Sales Engineers Co., 1440 11th St., Denver 4.

KULKA ELECTRIC MFG. CO., INC., 633 So. Fulton Ave., Mt. Vernon, N. Y.—James Mundstock, 320 Market St., San Francisco; The McLoughlin Co., 811 E. 14th Place, Los Angeles; Pete Bach Electric Co., 1233 N. W. 12th Ave., Portland; H. George Sheffer, 240 So. 1st Ave., Phoenix; Edw. C. Beasley Associates, 1025 2nd Unit Santa Fe Bldg., Dallas.

KURZ & ROOT CO., INC., 232 E. North Island, Appleton, Wis.—R. T. Puelicher, 3151 East Colorado, Pasadena, Calif.; A. I. Williams, 1009 17th St., Denver; J. B. Hickman, 503 Maritime Bldg., Seattle.

KWIKON COMPANY, 1850 W. Washington Blvd., Chicago, Ill.—J. J. Schaller & Co., 837 Traction Ave., Los Angeles; Electrical Industries, 1135 Harrison St., San Francisco; Slaybaugh-Thompson, 100 W. 13th St., Denver.

KYLE CO., 9th and Marion Aves., South Milwaukee, Wis.—See Line Material Co.

LADUBY CO., INC., 270 East Main St., Branford, Conn.—Keeler, White Co., 436 Colyton St., Los Angeles; 615 Seventh St., San Francisco; 422 N.W. Fourth Ave., Portland; 1041 Sixth Ave. So., Seattle. (See adv., p. 60.)

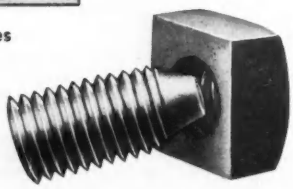
DEPENDABLE POLE LINE CONSTRUCTION DEMANDS

High Tensile Bolt Guy Clamps

"HANDIDRIVE" Pole Steps

Cross Arm Braces

Manufactured and Stocked for Your Convenience On The Pacific Coast



Handipoint Bolts and Rods

KORTICK MANUFACTURING COMPANY

OFFICE—PLANT—WAREHOUSE

345 First St., San Francisco 5 Telephone GArfield 1-8080

Warehouse Stocks: Los Angeles, San Francisco Spokane, Portland, Seattle, Honolulu, T.H.

LAKE MFG. CO., 2823 Chestnut St., Oakland, Calif.—Hockensmith Sales, 1262 So. Boyle, Los Angeles; D. R. Roesch Co., 2200 So. Figueroa St., Los Angeles; F. A. Thomas Co., 47 Second St., San Francisco; Hawthorne Electronics, 700 S. E. Hawthorne Blvd., Portland 14; Selo Electric Co., 4318 Roosevelt Way, Seattle; Western Sound & Equip., 264 E. 1st So., Salt Lake City.

LAKE SHORE ELECTRIC MFG. CO., 2398 Woodlawn Ave., Cleveland, Ohio—Schueler & Weston, 923 E. 3rd St., Los Angeles.

LAMSON CORPORATION, Billmyre Blower Div., 900 Lamson St., Syracuse, N. Y.—Branch Offices: 555 Bryant St., San Francisco 7; 306 E Washington Blvd., Los Angeles.

LANDERS, FRARY & CLARK, 47 Center St., New Britain, Conn.—Branch Offices: Universal Elec. Appl. Co., 1265 Folsom St., San Francisco; 2155 East 7th St., Los Angeles; H. Foss, Box 508, Seattle; C. L. Weaver, 3631 43rd Ave. West, Seattle 99; P. N. Prussing, 11420 Burnham St., Los Angeles 49.

LANG MFG. CO., F. S., 2754 First Ave., So., Seattle, Wash.—Nat'l Restaurant Supply, 1000 4th Ave. So., Seattle and 1039 N. W. Glisan St., Portland; Northwest Hotel Supply Co., 313 2nd Ave., Seattle, 427 S. W. 13th Ave., Portland; Kalberer Hotel Supply, N. W. 5th & Flanders, Portland; National Equip Co., 942 Mission St., San Francisco; Intermountain Food Equip., Box 1037, Boise, Idaho.

LAPP INSULATOR CO. INC., LeRoy, N. Y.—Earl S. Condon Co., 754 Chamber of Commerce Bldg., Los Angeles; C. E. Ingalls & Sons, 541 Monadnock Bldg., San Francisco; Charles F. James, 615 Lloyd Bldg., Seattle; Riter Eng. Co., Kearns Bldg., 314 Kearns Blvd., Salt Lake City; Monitor Home Appliances, Inc., 604 Utah Ave., Butte, Mont.

LARKIN LECTRO PRODUCTS CORP., Pine Bluff, Ark.—Robert A. Young & Co., 3901 San Fernando Road, Glendale, Calif.; Frank Y. Gates Co., 200 So. Main St., Salt Lake City; Sanderlin Co., 201 S. E. Washington St., Portland and 129-31 First Ave. West, Seattle 99; Kent H. Power, 716 Wilshire Blvd., Santa Monica, Calif.

LaSALLE PRODUCTS, INC., 143 Seneca St., Buffalo, N. Y.—Wm. Benndorf, 401 W. Jackson St., Phoenix; Peyser & Co., 1501 N. Weber St., Colorado Springs, Colo.; B. T. Heins, Dexter Horton Bldg., Seattle; Wm. H. Fuller, 1038 Palm Ave., Whittier, Calif.

LAU BLOWER CO., 2001 Home Ave., Dayton, Ohio—J. O. Kilian, 2311 Midvale Ave., West Los Angeles.

THOMAS LAUGHLIN CO., 143 Fore St., Portland, Maine—Norman S. Wright Co., in following cities: 2779 Folsom St., San Francisco 10; 625 N. Alvarado, Los Angeles 26; 1932 S. W. Water St., Portland 1; 233 Ninth Ave. North, Seattle 9; Paul R. Spencer & Co., 4000 York St., Denver 5 and 404 Dooly Bldg., Salt Lake City 1.

LEACH COMPANY, 412 So. Main St., Oshkosh, Wis. — Graybar Electric Co., General Electric Supply and Westinghouse Electric Supply in all principal cities.

LEACH RELAY CO., 5915 Avalon Blvd., Los Angeles, Calif.—Herman Held, 420 Market St., San Francisco; James M. Walthew, P. O. Box 15, Boeing Field, Seattle; A. J. Nelson, P. O. Box 2244, Denver.

LEADER ELECTRIC CO., 3500 N. Kedzie Ave., Chicago 18, Ill.—Branch Office: 800 100th Ave., Oakland, Calif. Distributors: Black and Lem, 4806 Santa Monica Blvd., Los Angeles; W. W. Wheat & Son, 560 First Ave., Seattle; D. C. McCabe, Park Hotel, Great Falls, Mont.; Jim Arnold, 1715 W. 30th St., Austin; Ed. F. Aymond Co., 4310 Maple Ave., Dallas.

LEADER LAMP MFG. CO., 476 Broome St., New York City—Fred J. Stone, 1355 Market St., San Francisco; Joe Blonder, 2617 N. E. 14 Ave., Portland.

LEAR, INCORPORATED, 110 Ionia Ave. N. W., Grand Rapids 2, Mich.—Learcal Division, 11916 W. Pico Blvd., Los Angeles. Branch in Seattle, Wash.

LECKENBY STRUCTURAL STEEL CO., 2745 11th Ave. S. W., Seattle, Wash.—W. A. Murray, W. 1835 Broadway, Spokane, Wash.; Clarence Johns, Public Service Bldg., Portland.

LECTRO SPEED CO., 12005 N. Burgard St., Portland, Ore.

LEE ELECTRIC CO., 11th and Viand Sts., Point Pleasant, West Va.—A. B. Murphy Co., 228 9th St., San Francisco; John Mitchell, 821 N. W. Flanders St., Portland; D. H. Sluman & Co., 130 W. 12th, Denver; Herbert Sierk & Co., 2705 Canton St., Dallas.

LEECE-NEVILLE CO., 5109 Hamilton Ave., Cleveland 14, Ohio—E. W. McConnell, 1611 So. Hope, Los Angeles 15.

LEEDS NORTHRUP COMPANY, 4901 Stenton Ave., Philadelphia, Pa.—Branch Offices: 1095 Market St., San Francisco 3, and 5111 Via Corona Ave., Los Angeles 22, 603 Stewart St., Seattle.

LEESON STEEL PRODUCTS, INC., 558 No. Lake Shore Drive, Chicago, Ill.—O. B. Wilt, 1355 Market St., San Francisco; Lakin-Meyers, 50 Otis St., San Francisco; J. E. Gray, Denver

LELAND ELECTRIC CO., 1501 Webster St., Dayton 1, Ohio—J. F. Cady, 995 Market St., Rm. 310, San Francisco 3; F. Y. Gates, 200 South Main St., Salt Lake City 1; Engineering Sales Co., 411 So. Wall St., Los Angeles 13; Hubert Kaub, 1025 Santa Fe Drive, Denver 4.

THE LENK MFG. CO., 33 Cummington St., Boston 15, Mass.—Harry Marshall, 104 Olive St., San Francisco; George Forge, 920 N. 75th St., Seattle 3; Edward Lackner, 680 Bellaire, Denver.

LEONARD ELECTRIC MFG. CO., 3907 Perkins Ave, Cleveland, Ohio—Kirk-Palka Co., 415 Wall St., Los Angeles and 420 Market St., San Francisco; F. W. Carlson, 2307 5th Ave., Seattle and 519 N. W. Park Ave., Portland 9.

LEVITON MFG. CO., 236 Greenpoint Ave., Brooklyn, N. Y.—J. Driscoll and J. H. Reiss, 385 2nd St., Los Angeles.

LEW ELECTRIC FITTINGS CO., 627 W. Lake St., Chicago, Ill.—Floyd L. Guenther, 2216 First Ave., Seattle 1; F. J. Airey Co., 1513 S. Mateo St., Los Angeles 21.

LEWIS ENGINEERING & MFG. CO., 1255 S. Mahoning Ave., Alliance, Ohio—Charles E. Black, 845 Bellevue Ave. N., Seattle; Gillan Sales Co., 1355 Market St., San Francisco.

LEWYT CORPORATION, 60 Broadway, Brooklyn 11, N. Y.—Frank Edwards Co., Inc., 382 6th St., San Francisco; Sues, Young & Brown, Inc., 5536 S. Bronson Ave., Los Angeles; F. B. Connelly Co., 905 N. W.

12th Ave., Portland, and 1015 Republican St., Seattle; Inland Empire Wholesalers, 110 So. Wall St., Spokane; W. H. Bents Co., 433 W. Third South, Seattle; Northwestern Auto Supply, 420 N. Broadway, Billings, Mont.; Western Appliance Corp., 201 So. Cherokee, Denver; Albert Mathias & Co. Inc., 113 So. Mesa, El Paso and 305 So. 2nd Ave., Phoenix; Straus-Bodenheimer, 1513 Prairie, Houston.

LEXINGTON ELECTRIC PRODUCTS CO., INC., 12 Chapel St., Newark 5, N. J.—Charles E. Klaus, 1004 S.E. Belmont St., Portland 14; Muth-Richards Co., 2605 Western Ave., Seattle; Campbell & George Co., 579 Brannan St., San Francisco; Hundley Co., 3532 Fletcher Dr., Los Angeles 65.

LIBERTY BELL MFG. CO., Minerva, Ohio—Northwest Sales Co., 1603 N.W. Johnson, Portland; A. Allen Smith, 1513 Mateo St., Los Angeles; B & W Sales Co., 501 Wadsworth Ave., Denver; Thos. D. Noble Co., 210 12th St., San Francisco.

LIBERTY MACHINE & POLE LINE CO., 244 Napoleon St., San Francisco, Calif.

LIGHTING, INCORPORATED, 1834 So. Figueroa St., Los Angeles, Calif.—J. E. Granniss, 926 Natoma St., San Francisco; Cobb Lighting & Fixtures, 432 Yale Ave. North, Seattle; Sales 'N Service, Inc., P. O. Box 834, Salt Lake City; The Southwestern Co., 730 Security Bldg., Phoenix.

LIGHTING PRODUCTS, INC., Highland Park, Ill. — James Mundstock, 320 Market St., San Francisco; E. A. Ryan, 135 N. W. Park, Portland; Fred E. Stalble & Sons, 2046 Arapahoe, Denver; Wm. Proby & Associates, 817½ N. 5th Ave., Seattle; Carl Mann, 121 So. Madison, Spokane; Electri-Cal, 5455 Hollywood Blvd., Los Angeles.

LIGHTOLIER, INC., 346 Claremont Ave., Jersey City, N. J.—Branch Office, San Francisco, Calif. Sold thru electrical distributors.

LINCOLN ELECTRIC CO., 22801 St. Clair Ave., Cleveland, Ohio—Branch Offices: 1303 Stanford Ave., Emeryville, Calif.; 1500 Calzona St., Los Angeles; 135 E. Rose Lane, Phoenix; 660 No. Thompson St., Portland; 1914 Utah Ave., Seattle; Johnson Supply Co., 1414 Wazee St., Denver; Great Northern Tool & Supply, P. O. Box 957, Billings, Mont.; Industrial Supply Co., 121 Motor Ave., Salt Lake City.

LINCOLN LIGHTING PRODUCTS, INC., 311 N. Desplaines St., Chicago, Ill.—Joe Blonder Agencies, 2617 N.E. 14th Ave. Portland; Panama Lamp & Commercial Co., 815 Howard St., San Francisco; 326 So. San Pedro, Los Angeles; 548 1st Ave. So., Seattle.

LINDBERG ENGINEERING CO., 2450 W. Hubbard St., Chicago, Ill.—Branch Offices: 2460 Enterprise St., Los Angeles 21 and 90 Dearborn St., Seattle 4.

LINDEMANN & HOVERSON CO., A. J., 601 West Cleveland Ave., Milwaukee, Wis.—A. L. Lindemann, 137 No. Citrus Ave., Los Angeles 36; Glen A. Erbes, Rte. 1, Stanwood, Wash.

LINE MATERIAL COMPANY (Div., McGraw Electric Co.), 700 West Michigan, Milwaukee 1, Wis.—Branch Office: Paul K. Churchill, West Coast Div. Mgr., 916 East 3rd St., Los Angeles and 101 Williams St., San Francisco, Field Engineers: P. E. Brackett, Los Angeles, and W. P. Ogilvie and Robert Vernon, Los Angeles; W. T. Neikirk and Edward Keogh, San Francisco; B. V. Kunde, Street and Airport Lighting Engineer, Los Angeles. W. F. Smith, Mountain States Division Manager, Spokane. Field Engineers: Arnold McLaren and C. B. Hazard, Portland; R. A. Balch, Butte; Paul B. Holden, Spokane; E. T. Hall, Salt Lake City; W. G. Gestland, Denver. S. Standley Jr., Street and Airport Lighting Engineer, Spokane. H. T. Zamzow, Apparatus Engineer, Portland; Agents: J. E. Redmond Supply Co., Phoenix; Pacific Lamp and Supply Co., Seattle; Tinling and Powell, Spokane; Osborne and Dermody, Inc., Reno, Nevada.

LINT, CLYDE W., 1144 W. Washington Blvd., Chicago, Ill.—W. G. Gordon, 2216 1st Ave., Seattle 1; Ellarr Sales Agency, 2695 Newland St., Denver, and 512 W. Granite, Albuquerque; Agencies Co., 125 So. Santa Fe Ave., Los Angeles; L. M. Baxter Co., 926 Natoma St., San Francisco. (See adv., page 31.)

LIPMAN REFRIGERATOR Div. Yates Amer. Mach. Co., 127 E. Shirland Ave., South Beloit, Ill.—Strange & Lagos, 3010 E. Olympic Blvd., Los Angeles 23; E. R. Nottingham, 2228 Second Ave., Seattle; Bach & O'Connor, 1408 16th St., Denver.

LITECONTROL CORPORATION, 36 Pleasant St., Watertown, Mass.—Al C. Slater & Associates, 9011 15th Ave., N.E., Seattle.

LITECRAFT MFG. CORP., 790 Wythe Ave., Brooklyn 11, N. Y. Western Branch Office: Gruen Lighting Corp., 8336 W. 3rd St., Los Angeles 48; Oscar Hogenson, 95 Connecticut, Seattle; F. H. Adams, El Paso; Wm. Aston & George Drew, Rialto Bldg., San Francisco.

LITTELFUSE, INC., 4757 Ravenswood Ave., Chicago 40, Ill.—Ash M. Wood, P. O. Box 150, El Monte, Calif.; R. R. Petri, 1423 So. Hill, Los Angeles 15.

LLOYD PRODUCTS CO., 225 Chapman St., Providence 5, R. I.—The Sanderlin Co., 201 S.E. Washington St., Portland, and 129 First Ave. W, Seattle; Frank H. Bran Co., 607 E. 6th St., Los Angeles; 444 Brannan St., San Francisco; D. A. Steinkamp Co., 2400 Gaylord St., Denver.

LOCKE, Dept. of General Electric Co., P.O. Box 57, Baltimore, Md.—T. E. Traugott, Regional Mgr., 1229 Burlingame Ave., Burlingame, Calif. — Through General Electric Supply Corp., all principal cities.

LOCUST PIN CO., INC., Front Royal, Virginia — Maydwell & Hartzell, Inc., in following cities: 158 Eleventh St., San Francisco 3; 427 W. 5th St., Los Angeles 13; 1238 N.W. Glisan St., Portland 9; 306 Dexter Ave., Seattle 9; 814 Paulsen Bldg., Spokane; 6710 N. 15th St., Phoenix.

LOVELL MFG. CO., 1303 French St., Erie, Pa.—Electrical Appliance Service Corp., 726 W. Venice Blvd., Los Angeles; 1434 Howard St., San Francisco, and 302 17th St., Denver; W. L. May Co., 215 N.W. Park Ave., Portland; Appliance Parts & Service Co., 214 Stewart St., Seattle, and 609 W. Trent Ave., Spokane; Apex Sales & Service Co., 171 E. Broadway, Salt Lake City; Geo. S. Conley, 731 15th St., Denver.

LUMIDOR MFG. CO., INC., 4801 E. 50th St., Los Angeles, Calif.—Reuben E. Lagerstrom, 2739 Tenth Ave., Oakland 6; A. Walt Runglin Co., 1840 S.E. Cypress, Beaverton, Ore., and 3044 Market St., Seattle.

LUMENITE ELECTRONIC CO., 407 S. Dearborn St., Chicago 5, Ill.—Jensen Instrument Co., 919 W. Beverly Blvd., Los Angeles; Duncan Equipment Co., 506 Broadway, Seattle.

LUX CLOCK MFG. CO., INC., 95 Johnson St., Waterbury, Conn.—Wm. Hersey, 5106 Ameston Blvd., Encino, Calif.

LYNCH CARRIER SYSTEMS, INC., 96 Jessie St., San Francisco 5, Calif.—Graybar Electric Co., Inc. All Cities.

LYON METAL PRODUCTS, INC., Aurora, Ill.—Branch Offices: 3450 Union Pacific Ave., Los Angeles 23; 870 Market St., San Francisco 2; 1755 Utah Ave., Seattle 4; 2546 N. Farragut, Portland 11; 1314 Wood St., Dallas 1.

McALLISTER-ROSS CORPORATION, 407 S. Dearborn, Chicago 5, Ill.—H. J. McAllister, Rock' M. Ranch, Middletown, Calif.; Wayne Hall, 518 S. 7th St., Tacoma, Wash.; H. S. Pierce, Monterey Plaza, 10400 Wilshire Blvd., Los Angeles.

McCABE-POWERS AUTO BODY CO., 5900 N. Broadway, St. Louis, Mo. — Branch Offices: Latham Square Bldg., Oakland 12, Calif.; Win Ward Co., 962 Price St., Pomona, Calif.

McCALL'S DESERT-AIR LAMPS, 5449 Sunset Blvd., Los Angeles, Calif. — Sold through appliance, department and drug stores in all principal cities.

McCORMICK & BAXTER CREOSOTING CO., Board of Trade Building, Portland, Ore.—Branch Offices: 485 California St., San Francisco; 6214 W. Manchester Ave., Los Angeles.

McCULLOCH MOTORS CORP., 6101 W. Century Blvd., Los Angeles, Calif. — Kellogg Co., 1099 Folsom St., San Francisco; Tri-State Equip. Co., Inc., 1847 Arapahoe St., Denver; Northwest Loggers Supply, 310 S.E. Stephens St., Portland; Pacific Equip., Inc., 2245 4th Ave., Seattle; Far West Equip., 2117 No. Division St., Spokane; Foster Power Saw Co., 4190 Highway 99, So., Eugene; So. Oregon Equip., 3540 No. Pacific Highway, Medford; McCulloch Chain Saw Sales and Service Highway 99 No., Roseburg, Ore.

McFARLAND CO., L. D., Box 390, Sandpoint, Idaho—Branch Office: Milwaukee, Ore.

McGILL MFG. CO., INC., Valparaiso, Ind.—George A. Gray Co., 2720 17th St., San Francisco 10; J. G. Pomeroy Co., 1004 E. 4th St., Los Angeles 13; Frank A. Strohecker, 2207 1st Ave. So., Seattle 4.

McGRAW ELECTRIC COMPANY, Clark Division, 5201 West 65th

CALIFORNIA *Ultraviolet* COMPANY
420 MARKET ST. SAN FRANCISCO 11, CALIF.
EXbrook 2-7679, or emergency SEabright 1-0900
DISTRIBUTOR Westinghouse Fluorescent Sun Lamp, germicidal cold cathode and hot cathode and high intensity Sterilamps and Odorout lamps and fixtures. Since 1938 in ultraviolet engineering.

The Jiffy Line
SAVES TIME • • TROUBLE AND MONEY
Established 1915
Is Sold by Leading Wholesalers

For complete information about all the new "Jiffy" Products write the nearest sales office for our new Folder.

- Adjustable HOLE CUTTER
- SOLDER DIPPER
- Power SAW ATTACHMENT
- No-KINK FISH TAPE
- CLAMP-IN BOX SUPPORTS
- ADJUSTABLE Bar-Hangers
- CABLE STAPLES
- OUTLET BOX COVERS
- STANDARD PORCELAIN
- Drill Press CUTTER
- Conduit BENDER VISE
- Wood BORING Attachment
- SLIPSTICK Wire Lubricant
- SNAP-IN BLANKS
- STANDARD Bar-Hangers
- CABLE One Hole Straps
- E.M.T. Two Hole Straps
- WIREHOLDERS & BRACKETS

BE SURE YOU GET
THE ORIGINAL Jiffy
Trouble Savers with the Red Label

Western Representatives
LOS ANGELES—Agencies Co., 125 So. Santa Fe (stock carried).
SAN FRANCISCO—L. M. Baxter Co., 926 Natoma St.
DENVER—Ellarr Sales Agency, 2695 Newland St.
ALBUQUERQUE—Ellarr Sales Agency, 512 W. Granite St.

Clyde W. Lint 1144 WEST WASHINGTON BOULEVARD CHICAGO 7, ILLINOIS
Phone TAylor 9-1144

St. Chicago, Ill.—J. G. Goodrich, 01537 S.W. Comus, Portland; C. L. Heck, 260 Euclid Ave., Long Beach, Calif.; C. A. Russell, 1355 Market St., San Francisco. Sold through leading electrical distributors.

McKINLEY MOCKENHAUPT CO., 626 West Jackson Blvd., Chicago 6, Ill.—H. S. Jones, 237 Rialto Bldg., San Francisco; R. Meussdorffer, 1315 E. 7th St., Los Angeles; R. C. Brinkley, 1008 Western Ave., Seattle; Reitz Sales, 1324 Bellaire, Denver.

M & W Electric Mfg. Co., S. Walnut St., East Palestine, Ohio—Northwestern Agencies, Inc., 4130 First Ave. S., Seattle 4; The Darger Co., 327 W. 2nd So. St., Salt Lake City.

MACALLEN CO., 61 Macallen St., Boston 27, Mass.—C. D. La Moree, 2221 Fourth St., Berkeley; 1325 San Julian St., Los Angeles 15; 317 N.W. Broadway, Portland; 166 Jackson, Seattle.

C. J. Gratiot & Sons
C. B. Gratiot R. F. Gratiot
Manufacturers' Representatives
Since 1912
EAGLE ELECTRIC MFG. CO.
Wiring Devices—Fuses—Lamps
PURE CARBON CO.
Mechanical Carbon
SEALOL CORPORATION
Rotary Seals
MARKSTONE MFG. CO.
Fluorescent Fixtures
Stock and Warehouses
San Francisco
1282 Folsom Street
HE 1-1828
Los Angeles
525 S. Crocker
MAdison 6-7736

MacBETH CORPORATION, Cochecton Turnpike, Newburgh, N. Y.—Laboratory Equip. Co., 118 11th St., San Francisco; Mole-Richardson, 937 N. Sycamore Ave., Hollywood 38, and J. B. MacAlister Co., 1117 N. McCadden Pl., Hollywood; Braun-Knecht-Heimann Co., 1400 16th St., San Francisco; Denver Fire Clay Co., P. O. Box 5510, Denver 17; Scientific Supplies Co., 122 Jackson St., Seattle; Photo Research Corp., 127 W. Alameda Ave., Burbank, Calif.

MAGNAVOX, Bueter Road, Fort Wayne, Ind.—L. H. Bushnell, and E. N. Lucas, 1355 Market St., San Francisco; Elwood Reeves, Tom P. Garvin, and J. P. Bauer, 2424 E. 8th St., Los Angeles 13; R. E. Cederoth, 6224 S. E. 31st Ave., Portland.

MAGNETIC ENGINEERING & MFG. CO., 851 Van Houten Ave., Clifton, N. J.—Irving R. Gard & Co., Lowman Bldg., Seattle 4, Wash.; Mine & Smelter Supply Co., 1422 17th St., Denver 17, 121 West 2nd St. S., Salt Lake City, and 1515 11th St., El Paso; Lombard Smith, 714 W. Olympic Bldg., Los Angeles.

MAGNETROL, INC., 2110 S. Marshall Blvd., Chicago 23, Ill.—Berkley Eng. & Equipment Co., 2417 Riverside Dr., Los Angeles; Johnson Eng. Co., 534 20th St., Oakland; Merrill N. Musgrave & Co., 2019 3rd Ave., Seattle 1, and 424 Hutton Bldg., Spokane; David & Davis, 316 Mining Exchange Bldg., Denver.

MAGNI-LITE, INC., 115 Dunkirk St., St. Albans 12, N. Y.—J. R. Penning, 2323 2nd Ave., Seattle 1.

MAJESTIC RADIO & TELEVISION, Div. of Wilcox-Gay Corp., 70 Washington St., Brooklyn 1, N. Y.—Pacific Telecoin Corp., 1337 Mission St., San Francisco, and 1776 S Robertson Blvd., Los Angeles; Northwest Sales Supply, Butte, Mont.; F. B. Connelly Co., 905 N.W. 12th Ave., Portland, and 1015 Republic St., Seattle; Premium Dist. Co., 1121 S.W. Washington St., Portland; Western Electronic Supply, 2609 1st Ave., Seattle.

MAKOMB STEEL PROD. CO., 403 N. Dudley, Macomb, Ill.—C. A. Hannerly, 4249½ 8th Ave., Los Angeles.

MAJOR EQUIPMENT CO., 4603 W. Fullerton Ave., Chicago, Ill.—E. B. Cook Co., 1063 Howard St., San Francisco.

MALLORY & CO., INC., P. R., 3029 E. Washington, Indianapolis, Ind.—Branch Office: C. M. Gutheil, Dist. Mgr., 1338 S. Lorena St., Los Angeles 23; Hodges & Glomb, 1264 Folsom St., San Francisco; Don H. Burcham, 917 S.W. Oak St., Portland; A. T. Nelson, P. O. Box 2244, Denver.

MALLEABLE IRON FITTINGS CO., Branford, Conn.—Wm. J. Cottrell Co., 11341 S.W. Pacific Highway, Portland 19; Industrial Engineering & Equipment Corp., 720 Subway Terminal Bldg., Los Angeles 13; Waltham, DeWitt & Krusi, 630 Monadnock Bldg., San Francisco 5.

MANNING, BOWMAN DIV., McGraw Electric Co., Elgin, Ill.—K. E. Campbell, 316 E. Third St., Los Angeles; Representative—B. S. Green, 316 E. Third St., Los Angeles; W. H. Smith, 657 Mission St., San Francisco; W. P. Moore, 6026 44th Ave., N. E., Seattle, R. W. Mohr, 2341 Olive St., Denver.

MANNING PAPER CO., INC., JOHN A., Troy, N. Y.—Insulation & Wires, Inc., in following cities: 2240 E. Washington Blvd., Los Angeles; 1077 Howard St., San Francisco, and 1702 N.E. Sandy Blvd., Portland.

MARATHON ELECTRIC MFG. CORP., Randolph & Cherry, Wausau, Wis.—Branch Office: 512 1st Ave. S., Seattle; Westco Pump Sales Co., 2315 E. 8th St., Los Angeles, and 560 Seventh St., San Francisco.

MARCO INDUSTRIES CO., 210 So. Clementine, Anaheim, Calif.—Sold direct from plant—210 So. Clementine St., Anaheim, Calif.

MARCUS TRANSFORMER CO., INC., Montgomery St., Hillside, N. J.—Pacific Industries, 1117 So. Robertson Blvd., Los Angeles; E. B. Cook, 1063 Howard St., San Francisco; W. R. Hendrey Co., Smith Tower, Seattle.

MARION ELEC'L MFG. CO., 24 Cliff St., Jersey City, N. J.—J. J. Perlmuth-Colman & Associates, 942 Maple Ave., Los Angeles; 420 Market St., San Francisco; George D. Norris, 2601 Second Ave., Seattle 1.

MARION ELECTRICAL INSTRUMENT CO., 400 Canal St., Manchester, N. H.—Neely Enterprises, 7422 Melrose Ave., Hollywood 46; 2830 Geary Blvd., San Francisco 8; 309 Ochsner Bldg., Sacramento, and 8211 E. Central Ave., Albuquerque; Samuel Stroum, 610 19th Ave. N., Seattle.

MARKEL ELECTRIC PRODUCTS, INC., 145 Seneca St., Buffalo, N. Y.—O. W. Coombs, 1026 S. Olive St., Los Angeles 15; Wm. Benndorf, P. O. Box 1926, Phoenix; Pacific Electric Sales Co., 232 N.E. 9th Ave., Portland 14.

MARKSTONE MFG. CO., 2460 West George St., Chicago, Ill.—C. J. Gratiot & Sons, 1282 Folsom St., San Francisco and Roy F. Gratiot Co., 525 Crocker St., Los Angeles.

MARLEY COMPANY, INC., 222 W. Gregory Blvd., Kansas City 5, Mo.—Branch Offices: 810 S. Spring St., Los Angeles 14; Box 1072, Houston, and 420 Market St., San Francisco.

MARMON-HERRINGTON COMPANY, 1511 W. Washington St., Indianapolis, Ind.—Branch Office: 266 Lenox Ave., Oakland, Calif., Mr. Paul Bliss, District Manager. Sold through leading distributors.

MARTIN DECKER CORP., 3441 Cherry Ave., Long Beach, Calif.

MARTIN ELECTRIC PRODUCTS, INC., 346 Somerville Ave., Somerville, Mass.—Black & Lem, 4806 Santa Monica Blvd., Los Angeles; H. B. Squires Co., 156 8th St., San Francisco, Peabody Brothers, 3015 Taylor St., Dallas.

MARTIN & SONS, H. P., 801 W. 12th St., Owensboro, Ky.—General Electric Supply, Westinghouse Electric Supply and Graybar Electric Co., Inc., all principal cities.

MARTINDALE ELECTRIC CO., Box 617 Edgewater Beach, Cleveland, Ohio—Fletcher Elec'l Specialty Co., 4150 So. Main St., Los Angeles 37.

MARVEL FLUORESCENT MFG. CO., 1401 Clinton St., Hoboken, N. J.—Panama Lamp & Commercial Co., 815 Howard St., San Francisco; 326 S. San Pedro, Los Angeles; 568 1st Ave. So., Seattle.,

MARVIN MFG. CO., 3071 E. 12th St., Los Angeles, Calif.—Branch office, 383 Brannan St., San Francisco; Pete Bach, 1233 N.W. 12th Ave., Portland; Luke Simpson, 1315 25th St., San Diego; L. S. Reed & Co., 1018 Lawrence St., Denver 4; Wm. Benndorf, 401 W. Jackson St., Phoenix; Rex Williams & Sons, 333 L St., Salt Lake City.

MASTER APPLIANCE MFG. CO., Bridge and Ontario Sts., Racine, Wis.—Peyser & Co., Colorado Springs, Colo.; E. C. Beasley Associates, 1025 Santa Fe Bldg., Unit No. 2, Dallas; Chas. G. Spilo, 212 W. Olympic Blvd., Los Angeles 15.

MASTER ELECTRIC CO., 126 Davis Ave., Dayton 1, Ohio—Branch Offices: 285 7th St., San Francisco 3; 2031 Santa Fe Ave., Los Angeles 21; 159 Pierpont Ave., Salt Lake City; 3327 Brighton Blvd., Denver 5.

MASTER VIBRATOR CO., 108 Davis, Dayton, Ohio—State Tractor & Equipment Co., 407 S. 17th Ave., Phoenix, Arizona, and 3525 East Speedway, Tucson, Arizona; C. P. Concrete Equipment Co., 626 S. Isis, Inglewood, California, and 1100 Sixth Avenue, Oakland, California; Power Equipment Co., 3440 Brighton Blvd., Denver, Colorado; Andrews Equipment Service of Washington, Inc., 156 S. Walnut St., Spokane, Washington; Western Equipment Co., 4009 Fairview Ave., Boise, Idaho, and P. O. Box 96, Idaho Falls, Idaho; Western Construction Equipment Co., 505 North 24th St., Billings, Montana, and Stephens & Mount Avenue, Missoula, Montana; Foulger Equipment Co., 1361 S. 2nd West, Salt Lake City, Utah; Sierra Machinery Co., 307 Morrill Avenue, Reno, Nevada; R. L. Harrison Co., Inc., 1801 N. 4th St., Albuquerque, New Mexico; Nelson Equipment Co., 5251 S. E. McLoughlin Blvd., Portland, and 3706 Airport Way, Seattle.

MATTHEWS CORP., W. N., 3850 Delor, St. Louis 16, Mo.—Western representatives: Waltham, DeWitt & Krusi, 630 Monadnock Bldg., San Francisco; Industrial Engineering & Equipment Corp., 720 Subway Terminal Bldg., Los Angeles; R. F. Hamilton & Associates; 512 Insurance Bldg., Denver; Fred S. Baldwin, 4949 Stanford, Seattle. (See adv., p. 32.)

SOLDERLESS WIRE CONNECTORS

Bolt and clamping jaw cold forged from same material as your copper conductors, hence no loose connections due to different coefficients of expansion. By using copper in these parts and eliminating the use of hard alloy, low conductivity metals, Matthews Connectors assure maximum conductivity and will not indent, nick or damage your conductors. Full engagement of threads and close tolerances of all parts assure strength. All connectors are given 100% inspection. Write for Bulletin 206 for complete information on all types of Matthews Connectors.

MATTHEWS CUTOUTS

A complete line of cutouts in Enclosed and Open Types both Dropout and Non-Dropout styles. Enclosed types rated 50 to 200 amps. 5 and 7.5 KV. Open types rated 100 and 200 amps. 5, 7.5, 15 and 23 KV. Sturdily constructed, all current carrying parts of at least 85% copper content material. Fully described in Bulletins 102-B, 103-B and 103-S.

MANUFACTURERS OF
Cutouts, Disconnecting Switches, Fuse Links, Wire Connectors, Guy Guards and many other pole line construction materials and tools.

W. N. MATTHEWS CORPORATION
3848 DELOR STREET ST. LOUIS 16, MO.

DENVER, COLO. R. F. HAMILTON & ASSC.
LOS ANGELES, CALIF. INDUSTRIAL ENG. & EQPT. CORP.
SAN FRANCISCO, CALIF. WALTHAM DEWITT & KRUSI
SEATTLE, WASH. FRED S. BALDWIN

MATTOX MACHINE CO., 11915 E. Bonwood Rd., El Monte, Calif. —Gough Industries, Inc., 819 E. 1st St., Los Angeles 54; Electrical Contractors Supply, 4701 W. Jefferson Blvd., Los Angeles 16; Panama Lamp & Com'l Co., 326 So. San Pedro St., Los Angeles; 815 Howard St., San Francisco 3, and 568 1st Ave. So., Seattle 22; Gilbert Bros., 826 S.W. 2nd Ave., Portland 4.

MAXSON CORP., THE W. L., Unimax Switch Div., 460 W. 34th St., New York City 1, N.Y.—Don H. Burcham Co., 917 S. W. Oak St., Portland 5; W. Clif McLoud & Co., 5528 E. Colfax Ave., Denver; Nickerson & Rudat, 383 Brannan St., San Francisco; M. A. Stolzroff, 4135 Degnan Blvd., Los Angeles; Southwestern Eng. & Equip., 3906 Lemmon Ave., Dallas.

MAYTAG CO., Newton, Iowa—Maytag West Coast Co., 1225 W. 9th St., Los Angeles; Maytag Northwest Co., 1136 N.W. Hoyt, Portland; Maytag Rocky Mountain Co., P. O. Box 1579, Colorado Springs, Colo.; Maytag Southwestern Co., 111 Leslie St., Dallas.

MEIERJOHN-WENGIER CO., 1102 W. 9th, Cincinnati, Ohio—Bracken Sales Agency, 923 E. Third St., Los Angeles 13.

MELETRON CORP., 950 N. Highland Ave., Los Angeles, Calif.—Ralph B. Lundy, 1063 Howard St., San Francisco.

MELL-O-CHIME & SIGNAL CORP., 119 S. Jefferson St., Chicago 6, Ill.—J. C. Coulson, 449 W. Jackson St., Phoenix; E. Holloway Co., 333 Jersey St., Denver 7; McMillen-Stanley Co., 778 Natoma St., San Francisco; NuRo Company, 301 Southland Life Bldg., Dallas 1, P. O. Box 4526, Houston, and 414 Houston Bldg., San Antonio.

MEMCO ENGINEERING & MFG. CO., INC., Commack, Long Island, New York—D. T. Elliott, 420 Market St., San Francisco; W. E. Holiman Co., 1508 Capitol Ave., Houston; Ken H. Best, 541 First Ave., South, Seattle; Sales Engineers, Inc., 1440 11th St., Denver.

MEPHISTO TOOL CO. INC., Box 16, Hudson Ave., Hudson, N.Y.—J. G. Pomeroy Co., 1004 E. Fourth St., Los Angeles.

MEND-IT-SLEEVE MFG. CO., 136 Bonita Avenue, Piedmont 11, Calif.—Sold direct by manufacturer.

MERCOID CORPORATION, 4201 Belmont Ave., Chicago 41, Ill.—Neil H. Peterson Co., 1129 Folsom St., San Francisco; Jensen Instrument Co., 1919 W. Beverly Blvd., Los Angeles; J. M. Warner Co., 200 West 48th, Denver; Stevens Sales Co., 41 P. O. Place, Salt Lake City; Heating Assurance, Inc., Spokane; Clowe & Cowan, Amarillo; Southland Supply, Dallas; Industrial Equipment Co. of Houston, Houston; E. H. Langdon Co., Seattle; George S. Thomson Co., El Paso; George R. Folds, Jr., 469 N. Bryant St., Portland; Johnson Heating Supply Co., 232 N.E. 9th Ave., Portland 14. (See ad, p. 33.)

MERCURY ELECTRIC CO., 30 Irving Place, New York City—Schueler & Weston, 923 E. 3rd, Los Angeles.

MERCURY TELE. & RADIO CORP., 861 N. Spring St., Los Angeles, Calif.—N. C. Teakle Co. Inc., 1278 Mission St., San Francisco; Frank Sampieri, 244 So. 1st St., Phoenix; Gordon Laursen, 512 W. Granite, Albuquerque; M. E. Donn, 3437 University Ave., San Diego, Calif.

MERIT-MADE, INC., 33 Franklin St., Buffalo 9, New York—G. R. Schumann Co., 487 Phelan Bldg., 760 Market St., San Francisco 2.

MERKLE KORFF GEAR CO., 213 N. Morgan St., Chicago, Ill.—Kaelin Electric Co., 1412 Los Angeles St., Los Angeles.

METALECTRIS, INC., 18 East 54th St., New York City, N. Y.—Robert R. Prussia, 224 Harriet St., San Francisco 3; John P. Brill, 1216 Justin Ave., P. O. Box 1542, Glendale, Calif.

METAL WARE CORP., 1700 Monroe St., Two Rivers, Wis.—Al Auger, 1643 Ralston Ave., Belmont, Calif.

METALS & CONTROLS CORP., Spencer Thermostat Div., 34 Forest St., Attlebora, Mass.—F. H. Appleton, 1371 E. Foothill Blvd., Altadena, Calif.

METER DEVICES CO., 1001 Prospect Ave., S.W., Canton 6, Ohio. Western representatives: Fred W. Carlson, 2307 5th Ave., Seattle; J. G. Corrin, 600 So. Highland Ave., Los Angeles; Hamilton & Associates, 512 Insurance Bldg., Denver, and 4715 Watauga Road, Dallas, Texas.

METRON INSTRUMENT CO., 432 Lincoln St., Denver, Colo. Sold only direct.

METROPOLITAN ELECTRIC MFG. CO., 2250 Steinway St., Long Island City, N. Y.—(For Fuses) Keeler, White Co., 615 Seventh St., San Francisco, and in following cities: 436 Colyton St., Los Angeles; 302 N.W. Fourth Ave., Portland; 1041 Sixth Ave. S., Seattle; A. J. Elggren & Sons, 428 South West Temple, Salt Lake City. (All other products) Home Office.

METZGAR COMPANY, 412 Douglas N.W., Grand Rapids, Mich.—A. S. Lindstrom, 866 Folsom St., San Francisco; H. L. Stewart, 1547 Estudillo Ave., Los Angeles; F. E. Bennett, 426 N. W. 6th St., Portland; A. J. Isaacsen, 45 S. 3rd West St., Salt Lake City; E. D. Flournoy, 113 West Central Ave., Albuquerque; Standard Cycle & Supply Co., 1811 E. Sprague Ave., Spokane; Materials Handling Equip. Co., 1437 Elliott St., Seattle.

MEYERS SAFETY SWITCH CO., INC., 423 Tehama St., San Francisco 3, Calif. (See adv., p. 33.)

MICA INSULATOR CO., 800 Broadway, Schenectady 1, N. Y. —Western Fiberglas Supply, 937 S. Grand Ave., Los Angeles 15, and 739 Bryant St., San Francisco. Bakoring, Inc., (Lamicoid only) 1020 Houston Ave., Houston 10.

MICAMOLD RADIO CORP., 1087 Flushing Ave., Brooklyn, N.Y.—Perlmuth Colman & Associates, 1335 Flower St., Los Angeles and 420 Market St., San Francisco.

MICHIGAN OVEN CO., 4544 Grand River, Detroit, Mich.—E. A. Wilcox Co., 277 Seventh St., San Francisco, 406 S. Main St., Los Angeles and 913 Arctic Bldg., Seattle; C. F. Bishop, 1800 Cochrell St., Dallas; F. E. Blair, 2144 Welton St., Denver.

MICRO SWITCH, Freeport, Ill.—Branch office: 1709 W. 8th St., Los Angeles; 1136 Howard St., San Francisco 3.

MIDGET HEATER & SPECIALTY CO., 2801 Pacific Ave., Tacoma, Wash.

MID-WEST CHANDELIER CO., 15th and Gentry, No. Kansas City, Mo.—D. B. Adams, Box 7062, Phoenix; Joe Blonder, 2617 N.E. 14th Ave., Portland; R. J. Susich, 411 S. Isis, Inglewood, Calif.; R. L. Lamberth, 320 Judah St., San Francisco.

MIDWEST ELECTRIC PRODUCTS CO., INC., 1515 N. Front St., Mankoto, Minn. — James L. Kearns, P.O. Box 5108—331 S.E. 62nd Ave., Portland 16.

MIDWEST ELECTRIC MFG. CO., 1639 W. Walnut St., Chicago 12, Ill.—A. Allen Smith, 1513 Mateo St., Los Angeles; Kenneth B. Schumann, 814 12th St., Denver.

MILBANK MFG. CO., 411 W. 10th St., Kansas City, Mo.—Industrial Eng. & Equipment Corp., Subway Terminal Bldg., Los Angeles; J. W. Watkins, Skinner Bldg., Seattle.

MILLER ELECTRIC CO., 32 River St., Pawtucket, R. I.—J. M. Chapman, 290 9th St., San Francisco; Floyd Gunther, 2216 1st Ave., Seattle.

MILLER CO., 99 Center St., Meriden, Conn.—Branch Office: A. T. Bergeron, West Coast Dist. Mgr., 1201 Bryant St., San Francisco; R. C. English, 3814 N.E. Wasco St., Portland 13; J. P. Wade, 319 S. Sierra Madre Blvd., Pasadena, Calif.; E. J. Imhof, P. O. Box 832, Sherman Oaks, Calif., C. W. McDaniel, P. O. Box 277, Menlo Park, Calif.

MILLER EQUIPMENT CO., INC., 13th and New Streets, Franklin, Pa.—Davis Emergency Equipment Co., 1246 Howard St., San Francisco; J. E. Haseltine & Co., S.W. 2nd Ave. and Ash St., Portland; Western Hdwe. & Tool Co., 122 Tenth St., San Francisco; Universal Safety & Fire Equip. Co., 727 S.W. Temple St., Salt Lake City; Thunderbird Sales Corp., Phoenix.

MEYERS

Enclosed Safety Switches
Switchboards—Panelboards
Electrical Sheetmetal Products

Meyers Safety Switch Co., Inc.
423 Tehama St. San Francisco 3

RAY J. NOEL COMPANY

3301 Trinity St., Los Angeles 11, ADams 3-5153

representing—LIGHTING PRODUCTS EXCLUSIVELY

ADVANCE Transformer Co., Fluorescent-Slimline Ballasts, Mercury Vapor Transformers

AMPLEX Corporation, Reflector Lamps, Street Lighting Series Lamps, Infra-Red, Colorbeams. Accent Lighting Fixtures. Mercury Vapor Lamps

M. S. W. Mfg. Co., Inc., Fixture Fittings

QUALITY PRODUCTS CO., ACE Fluorescent Starters

MERCOID

AUTOMATIC CONTROLS FOR HEATING, AIR CONDITIONING, REFRIGERATION AND VARIOUS INDUSTRIAL APPLICATIONS

THE ONLY 100% MERCURY SWITCH EQUIPPED CONTROLS

The distinguishing feature of Mercoid Controls is the exclusive use of Mercoid hermetically, sealed mercury switches. These switches are not subject to dust, dirt or corrosion, thereby assuring better performance and longer control life. The items shown below are but a few miscellaneous items. See Catalog No. 700 for the complete line.

If you have a control problem involving the automatic control of pressure, temperature, liquid level, mechanical operations, etc., it will pay you to consult Mercoid's engineering staff—always at your service.

Write for Mercoid Catalog No. 700
It contains a lot of control information.

THE MERCOID CORPORATION · 4223 BELMONT AVE. CHICAGO 41 · ILL.

MILLER & ASSOCIATES, INC., JOHN W., 203 N. Wabash Ave., Chicago, Ill.—F. M. Nicholas Co., 140 Spear St., San Francisco; Kenneth Anderson Co., 412 Seaton St., Los Angeles; Keeler, White Co., 1041 Sixth Ave. S., Seattle; Jim Randall Co., 1330 N. Industrial, Dallas 2; Peyser and Co., 1501 N. Weber St., Colorado Springs, Colo.

MILO MFG. CO., 2255 Bush St., San Francisco, Calif.

MILWAUKEE ELECTRIC TOOL CORP., 5316 W. State St., Milwaukee 8, Wis.—Dirks & Co., 416 N.W. 14th Ave., Portland; G. A. Shoemaker Co., 574 Eddy St., San Francisco; Leethem Co., 1341 S. Hope St., Los Angeles; Jordan Sales, 5313 N. 12th St., Phoenix.

MINERALLAC ELECTRIC CO., 25 N. Peoria St., Chicago, Ill.—George E. Honn Co., 420 Market St., San Francisco; Mountain States Machinery, 1526 Blake St., Denver; F. J. Airey Co., 1513 S. Mateo, Los Angeles; Jack Ogle, 105 Orcas St., Seattle; Glidden Eng. & Equipment, 3802 Winchester, Houston.

MINNEAPOLIS - HONEYWELL REGULATOR CO., Industrial Div., Wayne & Windeim Aves., Philadelphia, Pa. — Branch Offices: 1136 Howard St., San Francisco 3 (W. L. Gustafson, Mgr.); 2840 E. Olympic Blvd., Los Angeles 23 (R. B. Grant, Mgr.); 1600 W. 13th Ave., Denver 4, Colo. (D. W. Larcen, Mgr.); 1472 S. State, Spokane (G. E. Winslow); 226 N. Division St., Spokane 8; 1600 W. 13th Ave., Denver 4.

MINNESOTA MINING & MFG. CO., 900 Fauquier Ave., St. Paul 6, Minn.—Branch Offices: 450 Alabama St., San Francisco; 6411 Randolph St., Los Angeles 54, and 1242 8th Ave. So., Seattle 4. Sold thru leading wholesalers.

MIRABLE ELECTRIC CO., 900 S. Wabash Ave., Chicago, Ill.—John C. Plummer, 224 Beechwood Dr., Los Angeles; Wm. H. Conners, 390 Ash St., Denver; Stuart M. Taylor, 930 S.W. 4th Ave., Portland 4.

MITCHELL MFG. CO., 2525 Clybourn Ave., Chicago Ill.—Jos. C. Platt, 2213 Fourth Ave., Seattle; John H. Maddox, 420 Market St., San Francisco; F. Yudelson, 1151 So. Broadway, Los Angeles.

MOBECO, INC., Watertown 72, Boston, Mass.—Sam Sposito, 2932 S.W. Iowa St., Portland; Harry N. Lindsey, 1261 W. 56th St., Los Angeles 73.

MODERN WATER EQUIPMENT CO., Rte. 64 & E. J. & E. R. R., West Chicago, Ill.—Morris De Lee, 8834 National St., Culver City, Calif.; O. B. Wilt, 1355 Market St., San Francisco; Alexander Garaway, 2835 W. 9th St., Los Angeles 9.

MOE-BRIDGES CORP., 1415 Illinois Ave., Sheboygan, Wis.—H. George Shefler, P. O. Box 1587, Phoenix; D. A. Steinkamp Co., 936 St. Paul St., Denver; Fred J. Stone, 1355 Market St., San Francisco.

MOE LIGHT, INC., Fort Atkinson, Wis.—E. T. Vonier, 1160 Elati St., Denver; Donald Gleason, 901 E. 45th St., Seattle; K. D. Cummings, 6441 Pinehaven Road, Oakland 11; A. O. Grotenhuis, 1042 Manley Dr., San Gabriel, Calif.

MOLONEY ELECTRIC COMPANY, 5590 Bircher Blvd., St. Louis 20, Mo.—Western representatives: Garland-Affolter Engineering Corp. (in following cities), 2603 Western Ave., Seattle 1; 1233 N.W. 12th Ave., Portland; Subway Terminal Bldg., Los Angeles; 407 Holbrook Bldg., San Francisco 4; R. F. Hamilton & Associates, 612 Insurance Bldg., Denver 2; Riter Engineering Corp., 314 Kearns Bldg., Salt Lake City; Monitor Home Appliances, Inc., 604 Utah Ave., Butte; Ensign & Kempson, Industrial Bldg., Phoenix; A. W. Graham, P. O. Box 69, Clovis, N.M.

MONARCH FUSE CO., LTD., 118 E. First St., Jamestown, N. Y.—Keeler, White Co., in following cities: 615 7th St., San Francisco; 436 Colyton St., Los Angeles; 1041 6th Ave. So., Seattle; 422 N.W. Fourth Ave., Portland; George E. Anderson Co., 1901 Griffin St., Dallas; L. S. Reed Co., 2239 Colfax Ave., Denver.

MONARCH RANGE CO., 3928 Lake St., Beaver Dam, Wis.—Glenn L. Brown, 676 Athol Ave., Oakland 10, Calif.; G. A. Lieser, 4422 55th Ave., N.E., Seattle 5; L. A. Barton, 7939 N.E. Tillamook St., Portland 1; B. H. Edgerton, 9625 Seventh Place, N.E., Seattle 5; C. G. Hanson, 9036 2nd Ave., N.W., Seattle 7.

MONITOR EQUIPMENT CORP., 640 West 249th St., New York 71, N.Y.—O. B. Wilt Company, 1355 Market Street, San Francisco; Kaemper & Barrett, 1850 Mission Street, San Francisco 3; Seattle Radio Supply, Inc., 2117 Second Avenue, Seattle 1; Alprice Company, 1032 North A Street, Spokane; Monitor Home Appliances, Inc., 604 Utah Avenue, Butte, Montana; Stewart Distributing Co., 505 South First, West, Salt Lake City 4, Utah.

MONITOR CONTROLLER CO., 51 Hayward St., Boston, Mass.—Frank H. Bran Co., 607 East 6th St., Los Angeles; 444 Brannan St., San Francisco; Slaybaugh-Thompson Co., 100 West 13th Ave., Denver; Lynn Elliott Co., 322 M & M Bldg., Houston; 607 Construction Bldg., Dallas.

MONOWATT, Dept., General Electric Co., 95 Hathaway St., Providence, R.I.—W. S. Wanke, 3000 E. 46th St., Los Angeles 58, Calif.; James H. Blinn, 1140 Speer Blvd., Denver 4; J. C. Platt, 2213 4th Ave., Seattle 1.

MONTAG STOVE & FURNACE CO., 2011 N. Columbia Blvd., Portland 17, Ore.—General Sales Corp., 500 Minnesota, San Francisco; Osborn & Dermody, 253 Chestnut, Reno, Nev.; Appliance Supply Co., 591 6th St., San Francisco.

MONTGOMERY BROS., 1122 Howard St., San Francisco 3, Calif.—Branch Offices: 2113 S. San Pedro St., Los Angeles 13; 1104 N.W. Kearney, Portland 10, and 911 Western Ave., Seattle 4.

MORGANITE, INC., 3302 48th Ave., Long Island City 1, N. Y.—T. F. Carter, 905 San Mateo Dr., Menlo Park, Calif.

MORSE CO., FRANK W., 1300 Soldiers Field Road, Boston, Mass.—H. H. Van Luven, 537 Ceres St., Los Angeles 13; E. B. Cook, 1063 Howard St., San Francisco 3.

MOTORCRAFT, Box 470, Muncie, Indiana—Tri-State Supply Company, 544 So. San Pedro, Los Angeles; 554 Bryant St., San Francisco and 318 Occidental Ave., Seattle; Electrical Specialty Co., 316 Eleventh St., San Francisco 3; 418 E. Third, Los Angeles 13; 2406 First Ave. So., Seattle 1 and 1015 21st., Denver 2; H. G. Rising, Inc., 151 N. Vermont Ave., Los Angeles 5.

MOTOROLA, INC., 4545 Augusta Blvd., Chicago, Ill.—Branch Office: J. M. Tuttle, regional manager, Suite 407, Merchandise Mart, 1355 Market St., San Francisco. Sold through exclusive distributors.

MUELLER ELECTRIC CO., 1583 E. 31st St., Cleveland 14, Ohio—Harry E. Marshall, 104 Olive St., San Francisco 9; L. B. Putnam Co., 1217 California St., Denver 2.

MULLENBACH ELECTRIC MFG. CO., 2300 E. 27th St., Los Angeles 58, Calif.—Sold through all electrical distributors.

MULLINS MANUFACTURING CORP., 101 University, N.E., Warren, Ohio—Branch Office: 1355 Market St., San Francisco; McCollum Law Corp., Denver; W. H. Bintz Co., Salt Lake City; Saviers Electrical Prod. Corp., Reno; Couch Appl. Co., El Paso; Herbert H. Horn, Inc., Los Angeles; Superior Dist. Co., Phoenix; Distributors, Inc., San Diego, Calif.; Pioneer Appliance Co., 1355 Market St., San Francisco; Marshall Wells Co., Seattle 4; and Spokane 2, and Portland 8, and Billings, Mont.; Devlin-Drew Co., 65 Broadway, Fresno, Calif.

MULTI ELECTRIC MFG. CO., INC., 4223 W. Lake St., Chicago 24, Ill.—Edwin C. Dunn, P. O. Box 268, Littleton, Colo.; Wm. Benndorf, P. O. Box 1926, Phoenix.

MULTI PRODUCTS MFG. CO., 2040 Santa Fe Ave., Los Angeles, Calif.—Melbourne Zigmond, 2040 Santa Fe Ave., Los Angeles; Bruce-Emmet Co., 826 S.E. Alder St., Portland and 1016 First Ave., So., Seattle 4; Californian-Arizona Sales Agency, 301 W. "G" St., San Diego 1.

MURLIN MFG. CO., 5420 Paschall Ave., Philadelphia, Pa. — Allied Industries, 412 Seaton St., Los Angeles; Electrical Industries, 1135 Harrison St., San Francisco; E. A. Will, 534 First Ave. South, Seattle.

MURRAY MANUFACTURING CORP., 1250 Atlantic Ave., Brooklyn, N. Y.—Sales Engineers, Inc., 1440 11th St., Denver; Northwest Sales Co., 1603 N.W. Johnson St., Portland; Ernest F. Hauck Co., 383 Brannan St., San Francisco; Henger-Seltzer, 120 S. Hewet St., Los Angeles.

MURRAY CORP. OF AMERICA, Home Appliance Div., 1900 S. Washington Ave., Scranton, Pa.—F. S. Lodge, 1101 Noel 7, Menlo Park, Calif.; George D. Field, 5365 Abbeyfield St., Long Beach, Calif.; M. W. Battersby, 13727 Palatine Ave., Seattle.

MU SWITCH DIV. Acro Mfg. Co., 38 Pequit St., Canton, Mass.—C. B. Parson Co., 119 Belmont Ave., North, Seattle; George Tivy Co., 1148 S. Grand St., Los Angeles; R. H. Fisher Co., 30 Harriet St., San Francisco; Clyde P. Elliott, 3020 S. Cherry St., Denver.

NARRAGANSETT WIRE CO., 541 Pawtucket Ave., Pawtucket, R. I.—Magnes Co., 725 2nd St., San Francisco; Agencies Co., 125 S. Santa Fe, Los Angeles.

NATIONAL ACME CO., Electrical Mfg. Div., 170 E. 131st St., Cleveland, Ohio—Jenison Machinery Co., 20th & Tennessee, San Francisco; Preston Machinery Co., 6703 Santa Fe, Huntington Park, Calif.

NATIONAL APPLIANCE CO., 4814 W. Vernor Highway, Detroit, Mich.—C. A. King Co., 2323 Second Ave., Seattle 1; Electri-Cal, 5455 Hollywood Blvd., Los Angeles 27; Pacific Yard Service, 109 S. E. Salmon St., Portland 14; C. P. Keeler Co., 1732 Fourth So., Seattle.

NATIONAL CARBON DIV., Union Carbide & Carbon Corp., 30 E. 42nd St., New York City 17—Branch Offices: District Mgrs., R. P. Tolles, 22 Battery St., San Francisco, and W. E. Herr, Room 515, Wilson Bldg., Dallas.

NATIONAL ELECTRIC COIL CO., Columbus, Ohio — Walter McPherson, Jr., 109 W. 21st St., Long Beach, Calif.; D. W. Hatfield, 1510 Harvard Ave., Salt Lake City 5; G. H. Bragg, 212 19th St., Oakland, Calif.

NATIONAL ELECTRIC PRODUCTS CORP., 411 Seventh Ave., Pittsburgh 19, Pa., and Torrance, Calif.—Branch Offices: 1604 S.W. 10th Ave., Portland 1; 3604 N. Normandy St., Spokane 12; 714 W. Olympic Blvd., Los Angeles 15; 1949 Sixth Ave., Seattle 4; 400 Potrero Ave., San Francisco 10. Agents: Bacons, 3327 Brighton Blvd., Denver 5; Stevens Sales, P.O. Box 2338, Salt Lake City 10.

NATIONAL ENAMELING AND STAMPING CO., (See Nesco., Inc.)

NATIONAL ENAMELING & MFG. CO., 61 Bridge St., Etna, Pittsburgh, Pa.—F. H. Simmer Co., 1431 Levee St., Dallas; Keeler, White Co., 615 Seventh St., San Francisco, 1041 Sixth Ave. So., Seattle and 422 N.W. Fourth Ave., Portland; 436 Colyton Ave., Los Angeles.

NATIONAL IDEAL CO., 914 Summit St., Toledo, Ohio—Bowman Brothers, 1355 Market St., San Francisco.

NATIONAL POLE & TREATING, Div., Minnesota & Ontario Paper Co., 500 Baker Arcade Bldg., Minneapolis 2, Minn.—Branch Office in Spokane, Wash.

NATIONAL PRESSURE COOKER CO., Eau Claire, Wis.—Corwin Company, 1147 South Hope St., Los Angeles; Raycraft Co., 568 Third St., Oakland; Columbia Dist. Co., 2601 Market St., Seattle.

NATIONAL SCREW & MFG. CO., 2440 E. 75th St., Cleveland 4, Ohio—National Screw & Mfg. Co. of Calif., 5423 S. Garfield Ave., Los Angeles 22; 1863 Wazee St., Denver 2; 964 Denny Way, Seattle 9; 1 Drumm St., San Francisco 11.

NATIONAL SPECIALTIES CO., Howell & Tyler St., Fort Wayne, Ind.—O. W. Coombs Sales Co., 123 W. 18th St., Los Angeles.

NATIONAL STAMPING & ELECTRIC WORKS. (See Chicago Elec. Mfg. Co., White Cross Div.)

NATIONAL STEEL CONSTRUCTION CO., 800 Myrtle St., Seattle, Wash.—Earl H. Jones & Co. Inc., 1150 Folsom St., San Francisco and in following cities: 619 Second Ave., Seattle; 1863 Wazee St., Denver; 1233 N.W. 12 Ave., Portland 9; Continental Water Heater Co., 1801 Pasadena Ave., Los Angeles 31.

NATIONAL TELEPHONE SUPPLY CO., 5100 Superior Ave., Cleveland 3, Ohio—Western District Manager, John E. Winchester, 10345 Deveron Drive, Whittier, California.

NATIONAL VARNISHED PRODUCTS CORP. (See Natvar Corp.)

NATIONAL VULCANIZED FIBRE CO., Maryland Ave. & Beech St., Wilmington, Delaware — Branch Office: 273 7th St., San Francisco 3; 2325 E. 8th St., Los Angeles 21; 1927 First Ave. South, Seattle 4.

NATVAR CORP., 211 Randolph Ave., Woodbridge, N. J.—Electrical Specialty Co. 316 Eleventh St., San Francisco; 2406 1st Ave. So., Seattle; 1015 21st St., Denver and 418 East 3rd St., Los Angeles.

NAXON UTILITIES CORP., 3600 W. Touhy, Chicago, Ill.—Les Taufenbach Co., 4860 Valley Blvd., Los Angeles and 1355 Market St., San Francisco; Milton Rosenfield, 917 So. Olive St., Los Angeles 15; Nelfran & Co., 2013 S. Broadway, Denver 10.

NELSON, HERMAN, DIVISION, American Air Filter Co. Inc., 1824 Third Ave., Moline, Ill.—Pacific Div., American Air Filter Co., Inc., 225 Bush St., San Francisco 4; Herman Nelson, Div. A.A.F., 6175 York Blvd., Los Angeles 42. Agents: Ralph L. Nelson, 124 East Augusta Ave., Spokane; E. H. Langdon Co., 72 Vine, Seattle; Appleton Eng., 1219 California St., Denver; W. M. Walterskirchen Co., P. O. Box 1163, Missoula, Mont.; Alfred C. Baechlin Co., P. O. Box 912, Phoenix; T. C. Langdon Co., 725 N.E. 25th Ave., Portland; Midgley-Huber, 44 W. 8th South St., Salt Lake City; Albuquerque Eng. Co., 2722 Hyder Dr., Albuquerque.

NELSON ELECTRIC MFG. CO., 217-A N. Detroit St., Tulsa, Okla.—Oliver B. Lyman, 55 New Montgomery St., San Francisco; H. J. Randolph Co., 650 S. Grand Ave., Los Angeles 17; Sales Engineering Co. Inc., 875 LaGrand St., Salt Lake City 5; O. M. Bercaw, 345 N. Vermont St., Albuquerque; Fred W. Carlson, 2307 Fifth Ave., Seattle 1, and 519 N. W. Park Ave., Portland 9.

NELSON STUD WELDING Div. of Morton Gregory Corp., Lorain, Ohio—Victor Equipment Co., San Francisco and Los Angeles.

NEO-RAY PRODUCTS, INC., 315 E. 22nd St., New York 10, N. Y.—Walter J. Huemmer, Dallas Transfer & Term. Whse. Bldg., Dallas 2; Ed. B. Thornton, 2829 Sunset Blvd., Houston; Steel & Eng. Products Co., P. O. Box 32, El Paso; R. J. Heineman, 1106 Pike St., Seattle; Paul LeVeaux, P.O. Box 198, Butte, Monte.

NEPTUNE-POWER PLUS PRODUCTS CO., 2228 Bellevue, Detroit 7, Mich. — Westinghouse Electric Supply, Graybar Electric Co., Inc., and General Electric Supply Corp., in all principal cities.

NESCO, INC., 201 N. Michigan Ave., Chicago, Ill.—Branch Offices: Ted J. Ericksen, Regional Mgr., Rm. 925, 1355 Market St., San Francisco; Robert McKnight, 307 W. 8th St., Los Angeles.

NEWCOMB AUDIO PRODUCTS CO., 6824 Lexington Ave., Hollywood, Calif.—Don H. Burcham Co., 917 Southwest Oak St., Portland 5; A. J. Nelson Co., 1427 16th St., Denver; Wm. J. Purdy, 79 Ninth St., San Francisco; G. W. Delzell, 643 Coombs Creek Dr., Dallas 11.

NEW DEPARTURE, Div. General Motors Corp., Bristol, Conn.—Branch Offices: 5035 Gifford Ave., Los Angeles 11; 5000 First Ave. South, Seattle 4, 1716 Fourth St., Berkeley, Calif.

NEW ENGLAND MICA CO., INC., 66 Woerd Ave., Waltham, Mass.—Insulation & Wires, Inc., 1077 Howard St., San Francisco; 2043 Sacramento St., Los Angeles, and 1702 N. E. Sandy Blvd., Portland.

NEW JERSEY WOOD FINISHING CO., Amboy Ave., Woodbridge, N.J.—Insulation & Wires, Inc., 2043 Sacramento Ave., Los Angeles, 1077 Howard St., San Francisco and 1702 N.E. Sandy Blvd., Portland.

NEW YORK SOLDER CO. INC., 684 E. 133rd St., New York City—R. B. Haskell, 200 Davis St., San Francisco.

NIAGARA ELEC'L INSTRUMENT CO., 559 Ellicott St., Buffalo 3, N. Y.—Arthur E. Booth Co., 4124 Beverly Blvd., Los Angeles 13; The James L. Kearns Co., 331 S.E. 62nd Ave., Portland 16.

NOBLITT-SPARKS INDUSTRIES—See Arvin Industries.

NOMA ELECTRIC CORP., 55 West 13th St., New York City—Branch Offices: 2135 E. 7th Place, Los Angeles; 60 Federal St., San Francisco; 240 Portland Merchandise Mart, Portland.

NORGE DIV., Borg-Warner Corp., Merchandise Mart Plaza, Chicago, Ill.—Branch Office: R. H. Pizor, Regional Manager, 703 Market St., San Francisco. Distributors: Leo J. Meyberg Co., 33 Gough St., San Francisco; 2027 S. Figueroa St., Los Angeles, and 2930 Butler St., Fresno; F. B. Connelly Co., 1015 Republican St., Seattle.

NORTH AMERICAN ELECTRIC LAMP CO., 1014 Tyler St., St. Louis, Mo.—F. J. Airey Co., 1513 S. Mateo, Los Angeles 21; Fred G. Chemnitz Co., 1310 S.W. Alder St., Portland 5. (See adv., page 35.)

NORTHERN LIGHT CO., 1661 N. Water St., Milwaukee, Wis.—E. T. Vonier Co., 1160 Elati St., Denver 3; L. M. Baxter Co., 1220 S.W. Stark, Portland and 926 Natoma, San Francisco.

NORTHWESTERN ELECTRIC CO., 1750 N. Springfield, Chicago, Ill.—Kaelin Electric Co., 1412 S. Los Angeles St., Los Angeles 15.

NORTHWEST LEAD CO., 2700 16th Ave., S.W., Seattle 4, Wash.—Solders only: E. L. Berman Co., 758 Natoma St., San Francisco 3; Ash Wood Co., Box 150, El Monte, Calif.

NORTON ELECTRICAL INSTRUMENT CO., 71 Hilliard St., Manchester, Conn.—The James L. Kearns Co., 331 S.E. 62nd Ave., Portland 16.

NUTONE, INC., Madison & Red-Band Roads, Cincinnati, Ohio—Branch Office: F. B. Marple, Mgr., 919 E. 31st St., Los Angeles 11; James Paulin, 377 Los Casas, Pacific Palisades, Calif.; Julian Wolf, 2420 31st Ave West, Seattle 99; J. C. Ivy, 1118 Jackson St., Dallas.

OHIO BRASS COMPANY, Mansfield, Ohio—Branch Offices: A. M. Bohnert, Mgr., 1503 Hobart Bldg., San Francisco; R. F. Gheen, 1046 Subway Terminal Bldg., Los Angeles; C. R. Kingsburgh, 1107 Northern Life Tower, Seattle; J. S. Veatch, 371 Eudora St., Denver 7; E. C. Thompson, 1214 Irwin Keasler Bldg., Dallas. Agent for Dist. Materials: Graybar Electric Co., Inc., all cities.

OHIO CARBON CO., 12508 Berea Road, Cleveland 11, Ohio—Representatives: Phil L. Capy, Box 9538, Dallas 14; C. F. Bowers, 544 S. San Pedro St., Los Angeles 13. Distributors: Tri-State Supply Corp. in following cities: 544 S. San Pedro St., Los Angeles 13; 554 Bryant St., San Francisco 7; 318 Occidental Ave., Seattle 4; Hendrie & Bolthoff Co., 1635 17th St., Denver 17; Nixon-Kimmel, 167 S. Wall, Spokane; Kalispell Merc. Co., Kalispell, Mont.; J. Korber & Co., 200-224 N Second St., Albuquerque.

OHMITE MFG. CO., 4835 W. Flournoy St., Chicago 44, Ill.—Herb Becker, 1406 S. Grand Ave., Los Angeles 15; Phil Belchamber, 212 9th St., Oakland 7; H. George Shefler, P. O. Box 1587; Phoenix; W. Clif McLoud & Co., 5528 E. Colfax Ave., Denver 7; Marsh Agencies, 2601 First Ave., Seattle 1.

OKONITE COMPANY, Passaic, N. J.—I. W. Borda, Vice Pres. and Pac. Coast Mgr., 1622 Russ Building, San Francisco 4; Branch Offices: T. T. Kennedy, 427 W. 5th St., Los Angeles 13; C. D. Ham, 882 Pittock Block, Portland; H. M. Denny, 1600 Northern Life Tower, Seattle 1; W. E. Nagel, 1662 Russ Bldg., San Francisco; O. W. Herring, 1011 Tower Petroleum Bldg., Dallas; J. B. Edmonds, 2116 Finnan St., Houston 2.

OLIN INDUSTRIES, INC., Elec'l Div., Winchester Ave., New Haven 4, Conn.—L. P. Hovik, Western Div., Mgr., 625 Folsom, San Francisco.

OLYMPIC INSTRUMENTS LABORATORIES, Cove, Wash.—John B. Tubergen Co., 2232 W. 11th, Los Angeles 15; J. R. Penning, 2323 Second Ave., Seattle 1; M. B. Lane, 564 Howard St., San Francisco 5.

OLYMPIC RADIO & TELEVISION, INC., 34-01 38th Ave., Long Island City, N. Y.—Radio Products Sales Co., 1501 South Hill St., Los Angeles; Wresco, 140 Ninth St., San Francisco.

ON-A-LITE CORP., 113 Circle Road, Peoria, Ill—Lifetime Plastic Co., 44 Madison St., Oakland 4, and 1355 Market St., San San Francisco; Far West Specialty Co., 5617 S.E. Salmon St., Portland; Taft & Co., 325 Pierpont Ave., Salt Lake City; Tjornton Sales Service, 6732 Walnut Hill Lane, Dallas.

ONAN & SONS, INC., D. W., University Avenue S.E. & 25th, Minneapolis, Minn.—Eta-Hokin & Galvan in following cities: 551 Mission St., San Francisco; 218 Avalon Blvd., Wilmington, Calif.; Foot of Sampson St., San Diego; Fremont Elec. Co., 744 N. 34th St., Seattle; Equipment Sales Co., 720 S. 19th Ave., Phoenix; Nelson Equipment Co., 5251 S.E. McLaughlin Blvd., Portland. Factory Representative: Frank D. Gernard, 1545 Hamilton Ave., Palo Alto, Calif.

ONE MINUTE WASHER CO., Kellogg, Iowa — Field Manager, Northern Calif., Paul Prietsch, 1355 Market St., San Francisco; Distributors: Bridge Beach & Co., San Francisco; Kenney & Faust, Fresno. Field Manager, Southern Calif., Byron McDonold, 5717 Condon Ave., Los Angeles; Distributor: The Corwin Co., 1147 S. Hope St., Los Angeles.

J. R. PENNING

2323 2nd AVE., SEATTLE 1, WASH.

Representing

Smithcraft Lighting Division

Radiant Glass Company

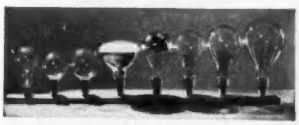
Magni-Lite Incorporated

Hykon Mfg. Company

Olympic Instrument Laboratories

FAVORITES EVERYWHERE

with proven records of SALES and SERVICE!



Nalco Infra-Red Lamps. Designed especially for industrial drying and baking—with long-lasting carbon filaments. Available in either inside aluminumed or clear glass types.

Nalco Candylbome Lamps—radiate without diffusion; give sharp, brilliant reflection from polished surfaces.

Nalco Candle Flame Lamps—Unique in shape, they give soft, diffused glow to enhance the beauty of fixtures, etc.

Nalco Heavy Duty Carbon Lamps—assure long life in severe service. Available in many standard and special shapes, colors and sizes.

Send for literature and price list

Western Representatives:

LOS ANGELES—F. J. Airey Co., 1513 S. Mateo

PORTLAND, ORE.—Fred G. Chemnitz, 1310 S. W. Alder

NALCO INFRA-RED BRITHERM

NORTH AMERICAN

Electric Lamp Co.

1036 TYLER STREET • ST. LOUIS 6, MO.

ORANGEBURG MFG. CO., INC., Orangeburg, N. Y.—Martin Noack, 681 Market St., San Francisco. Distributed by Graybar Elec. Co., Inc., and General Electric Supply Corp., all branches.

ORLEY BROTHERS CO., INC., 475 So. Schaefer at Oakwood, Detroit, Mich.—Paul H. Rice Co., 1355 Market St., San Francisco; Robinson Dist. Corp., 3129 Western Ave., Seattle; Frank M. Siegmund Co., P. O. Box 162, Phoenix; Nelfran Co., 2013 S. Broadway, Denver 10; Pacific Telecoin Corp., 1776 S. Robertson Blvd., Los Angeles 35.

PENGO EARTH AUGERS

"The Most Profitable Tool You Ever Bought"

These Double Helix Augers:

* SAVE TIME — Bore clean, true holes faster in ordinary soils, hardpan, decomposed rock, some sandstones, rocky or frozen ground, permafrost!
* SAVE MONEY — Inexpensive wear-points easily replaceable in the field. No costly trips to the shop for hard-facing!

AVAILABLE in fifteen sizes, 10" to 54" hole diameters to fit leading makes of earth boring machines. Larger sizes on special order.

ORDER TODAY—or write for literature, prices.

PETERSEN ENGINEERING CO.
SANTA CLARA, CALIF.

OSMOSE WOOD PRESERVING CO., 1437 Bailey Ave., Buffalo, N. Y.—Dan Kamphausen Co., Continental Oil Bldg., Denver, Colo.

OSTER MFG. CO., JOHN, Racine, Wis.—LeRoy Herbert, 277 Eddy St., San Francisco; Claude Herbert, 449 Wall St., Los Angeles; Carl Moon, 1913 Walnut St., Seattle; Charles G. Putnam, 2598 Taylor St., San Francisco; Allen B. Carpenter, 820 12th St., Denver.

OVERBAGH & AYRES MFG. CO., 411 S. Clinton St., Chicago, Ill.—W. W. Wheat & Son, 560 1st Ave. South, Seattle 4; F. J. Airey Co., 1513 S. Mateo St., Los Angeles 21; W. J. Childers, 3310 Douglas, Dallas 4.

M. L. Fowler Co.

YUken 2-1737
383 Brannan Street
San Francisco 7, Calif.

—Representing—

BLACKHAWK INDUSTRIES
Electrical Fittings

FEED RAIL CORP.
Electrical Distribution Systems

HEINEMANN ELECTRIC CO.
Circuit Breakers

PITTSBURGH REFLECTOR CO.
Incandescent & Fluorescent Lighting

ROLLER-SMITH CORP.
Air & Oil Circuit Breakers, Switchgear & Instruments

OWENS-CORNING FIBERGLAS CORP., Nicholas Bldg., Toledo, Ohio—Branch Offices: 68 Post St., San Francisco; 3445 W. 8th St., Los Angeles; 1077 Dexter Horton Bldg., Seattle; 1044 Pacific Bldg., Portland 7; N. 15th Ave., Phoenix; 211 Tramway Bldg., Denver; 405 N. 1st. St., Albuquerque; 1310 Continental Bank Bldg., Salt Lake City.

O. Z. ELECTRICAL MFG. CO., INC., 262 Bond St., Brooklyn, N. Y.—Eichorn & Melchior, 501 Indiana St., San Francisco; Agencies Co., 125 So. Santa Fe Ave., Los Angeles; Wm. A. Proby Associates, 817½ Fifth Ave. North, Seattle; P. A. Michler, 1814 Irwin Keasler Bldg., Dallas; Barney Winkler, M & M Bldg., Houston; E. Chester Holoway, 331 Jersey St., Denver; Wm. A. Proby Associates, 4271 S.E. Stark St., Portland.

PACIFIC ELECTRIC MFG. CORP., 5815 Third St., San Francisco, Calif.—Sales Offices: C. H. Cutter, 912 Securities Bldg., Seattle; W. F. Poynter, 5815 Third St., San Francisco; G. B. Kirkwood, 437 S. Hill St., Los Angeles; L. M. Slusser, 318 Dooly Block, Salt Lake City; F. W. Gorman, 1701 Texas St., El Paso, and 1330 N. 12th St., Albuquerque; J. E. Redmond Supply Co., 625 W. Madison St., Phoenix; Myron Swendsen, 410 Capitol Blvd., Boise; Northwest States Supply Co., 1110 E. Front St., Butte; Krippner & Polley, 1166 Elati St., Denver.

PACIFIC ELECTRICORD COMPPANY, 3217 Exposition Place, Los Angeles 18, Calif.—San Mar Sales Co., 329 E. Mitchell Drive, Phoenix; Rutherford & Perdue, 2013 Cedar Springs Ave., Dallas; Meyer & Ross, 1355 Market St., San Francisco 3; O. M. Thompson, 13005 Eighth Ave. N.W., Seattle 77; Medill Sales Co., 802 Twelfth St., Denver 4.

PACIFIC OERLIKON CO., Box 1133, Tacoma, Wash.

PACIFIC TRANSFORMER CO., INC., 233 N.W. 9th Ave., Portland, Ore.

PACIFIC WIRE ROPE CO., 1840 E. 15th St., Los Angeles 21, Calif.—Branch Offices: 681 Market St., San Francisco; 5815 N.W. St. Helens Road, Portland.

PAINE COMPANY, Fullerton Ave. and Westgate Dr., Addison, Ill.—Nuro Co., in following cities: 414 Houston Bldg., San Antonio; 309 Browder St., Dallas 1; 1311 Palmer St., Houston; A. J. Nelson Co., P.O. Box 2244, Denver 1; Wm. Weston & Co., 1133 Moraga St., San Francisco 23.

PACKARD-BELL CO., 12333 W. Olympic Blvd., Los Angeles 64, Calif.

PALMER MFG. CORP., 2200 W. Fillmore, Phoenix, Ariz.—Branch Office: 914 S. Alameda, Los Angeles; Ben Clark, 307 Atlas Bldg., Salt Lake City; Joe Wagner, 2241 W. Fillmore, Phoenix; Victor Bartasevich, 226 E. Third St., Tucson; Joseph C. Platt Co., 2213 Fourth Ave., Seattle 1.

PALNUT COMPANY, 61 Cordier St., Irvington, N. J.—W. D. Howze & Co., 5603 N. Figueroa St., Los Angeles 42; R. C. Dudek, 1729 Wilshire Blvd., Santa Monica, Calif.

PANELYTE DIVISION, St. Regis Sales Corp., 230 Park Ave., New York City—Industrial: Electrical Specialty Co., in following cities: 316 11th St., San Francisco 3; 418 E. 3rd, Los Angeles 13; 2406 First Ave. South, Seattle 4; 1015 21st St., Denver 2. Decorative: J. E. Higgins Lumber Co., 99 Bayshore Blvd., San Francisco 24; Strable Hardwood Co., 537 1st St., Oakland; S. Roth Co., 1008 N. Highland Ave., Los Angeles 38.

PARAMOUNT INDUSTRIES, INC., 823 McFarlan, Flint, Mich.—S. P. Darger, 328 W. Second South St., Salt Lake City; George Larson, 2961 S. Orange St., Olympia, Wash., Steve Babcock, 2342 Franklin St., San Francisco; Harold Lang, 6904 Grandview, Arvado, Colo.; S. J. Imhoff, P. O. Box 832 Sherman Oaks, Calif.; J. D. Sheehan & Associates, 5831 La Vista Dr., Dallas.

PARAGON ELECTRIC CO., 1600 12th St., Two Rivers, Wis.—McCune Merifield Co., in following cities: 51 Fremont St., San Francisco; 1321 S. Los Angeles St., Los Angeles; 999 Western Ave., Seattle; 1340 Pennsylvania Ave., Denver.

PARKER ELECTRICAL MFG. CO., 221 Washington St., Oakland, Calif.

PARANITE WIRE & CABLE DIV., Essex Wire Corp., 1601 Wall St., Fort Wayne 6, Ind.—Branch Offices: 1077 Howard St., San Francisco; 2240 E. Washington Blvd., Seattle. J. W. Stewart, Pac. Coast Mgr., 1075 N. Patt St., Anaheim, Calif.

PARSONS ENGINEERING CORP., 2545 East 79th St., Cleveland, Ohio—C. W. S. Parsons & Co., 306 N. Vermont at Beverly, Los Angeles 4.

PARTLOW CORP., 2 Campion Road, New Hartford, N. Y.—Pacific Scientific Co. in following cities: 25 Stillman St., San Francisco; 1430 Grande Vista Ave., Los Angeles; 1915 First Ave. South, Seattle; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver.

PARTRICK & WILKINS CO., 51 North 7th St., Philadelphia, Pa.—H. H. Van Luven, 537 Ceres Ave., Los Angeles; Bruce-Emmett Co., 830 S.E. Alder, Portland; L. E. Shirley, 5606 Anita St., Dallas.

PASS & SEYMOUR, INC., Boyd Ave., Solvay, Syracuse, N.Y.—J. M. Cavanaugh, 1132 N.W. Glisan St., Portland; J. G. Pomeroy Co., 1004 E. 4th St., Los Angeles 13; George A. Gray Co., 2720 17th St., San Francisco 10; Keith Bering, 1350 28th Ave., San Francisco.

PASTEURAY CORP., St. Louis, Mo.—E. E. Barkley, 723 N. Santa Cruz, Los Gatos, Calif.

PATTERSON EQUIPMENT CO., Myrtle and Santa Fe., Denair, Calif.—Coast Tool Co., 6046 College Ave., Oakland 18; Golden West Dist. Co., 1232 Norvell St., El Cerrito, Calif.; Montague-Harris & Co., 1075 Folsom St., San Francisco 3; Newbery Electric Corp. of Ariz., Las Vegas, Nev., and 2145 E. Washington St., Phoenix; Reynolds Elec. Engr. Co., 718 N. Piedras St., El Paso; Inland Pipe & Supply, Front and Walnut Sts., Yakima, Wash.

PAULDING, INC., JOHN I., New Bedford, Mass.—Branch Offices: 145 Second St., San Francisco; 1238 N.W. Glisan, Portland; Walter S. Sweet, 308 Vaqvera, Arcadia, Calif.

PEER, INC., 1200 Milton St., Benton Harbor, Mich.—Hendrie & Bolthoff, 1635 17th St., Denver; Galigher Co., 545 W. 8th South St., Salt Lake City; O'Neill Machinery Co., 1011 Howell St., Seattle; Gibson Welding Supplies, E. 218 Trent Ave., Spokane; Hickinbotham Bros., Ltd., 536 S. Aurora St., Stockton, Calif.; Pacific Welding Alloys Mfg. Co., 310 N. Avenue 21, Los Angeles.

PEERCO, INC., 4538 W. Roosevelt Rd., Chicago, Ill.—H. Newquist, 2354 E. Glen Oaks Blvd., Glendale 6, Calif.; J. Spencer, 1127 Garden St., Bellingham, Wash.

PEERLESS ELECTRIC CO., 1401 West Market St., Warren, Ohio—Montgomery Bros. in following cities: 1122 Howard St., San Francisco; 2113 So. San Pedro St., Los Angeles 21; 1104 N.W. 15th Ave., Portland 9; 911 Western Ave., Seattle 4.

PEERLITE MFG. & SUPPLY CO., 178 5th St., San Francisco, Calif.—Sold through Electric Supply Manufacturers and wholesalers.

PELHAM ELECTRIC MFG. CORP., 15th and German St., Erie, Pa.—A. J. Eggren & Sons, 428 Southwest Temple St., Salt Lake City.

PELTON WATER WHEEL CO., 2929 19th St., San Francisco, Calif. — Domestic Sales direct from Home Office—Export thru Baldwin Lima Corp., Eddystone, Pa. Agent: American Factors, Ltd., P. O. Box 3230, Honolulu, T.H.

PENETRAY CORP., 615 Front St., Toledo, Ohio—Branch Office Leonard Holzman, 335 Towne, Los Angeles; V. Bingham, 4315 E. 43rd, Seattle; J. Nicodemus, 230 So. 4th, Salt Lake City; H. George Shefler, 240 So. 1st, Phoenix.

PENNSYLANIA TRANSFORMER CO., P.O. Box 330, Canonsburg, Pa.—Fred W. Carlson, 2307 5th Ave., Seattle; John G. Corrin, 600 So. Highland Ave., Los Angeles; George E. Honn Co., 420 Market St., San Francisco; Peterson Co., 4949 Colorado Blvd., Denver 16; Clarence W. Silver Co., 550 W. 7th S. St., Salt Lake City 4; J. E. Redmond Supply, P. O. Box 869, Phoenix; Williamson Sales Co., Irvin-Keasler Bldg., Dallas and 5541 Armour Dr., Houston

PENN CONTROLS, INC., Goshen, Ind.—Branch Offices: E. T. Layport, Berkeley, Calif.; E. M. Ford, Los Angeles; E. Knudson, Seattle. Agents: H. M. Olmstead Co., 3755 Blake St., Denver 5; Specialty Sales Co., 208 S.W. Temple, Salt Lake City.

PENN-UNION ELECTRIC CORP., 315 State St., Erie, Pa.—F. M. Nicholas Co., 140 Spear St., San Francisco; Kenneth Anderson Co., 412 Seaton St., Los Angeles; Northwestern Agencies, 4130 First Ave. South, Seattle.

PENROSE, INC., Los Angeles, Calif.—K. M. Ryals Co., 461 Market St., San Francisco.

PERFECT-LINE MFG. CORP., Old Country Rd. & R. R. Ave., Hicksville, N. Y. — California-Arizona Sales, 301 West G St., San Diego; 923 E. 3rd St., Los Angeles and 4807 N. 29th Place, Phoenix; Walter E. Wallace Co., 3546 Lincoln Ave., Oakland; L. D. Hood Sales Agency, P. O. Box 7651, Lakewood, Colo.; L. Misner, 4261 S.E. Stark, Portland.

PERFECTION STOVE CO., 7609 Platt Ave., Cleveland 4, Ohio—Branch Office: 1280 45th St., Oakland 8, Mr. D. C. Branhan, Mgr. Sold thru furniture, hardware, appliance and variety stores.

PERKINS MARINE LAMP & HOWE, CORP., 1943 Pitkin Ave., New York, N.Y.—McCune Merifield Co., in following cities: 51 Fremont St., San Francisco 5; 999 Western Ave., Seattle; 1321 So. Los Angeles St., Los Angeles.

PETERSEN ENGINEERING CO., 450 Kifer Road, Santa Clara, Calif. (See adv., page 36.)

PHALO PLASTICS CORP., 25 Foster St., Worcester 8, Mass.—Meyer & Ross, 1355 Market St., San Francisco; Northwestern Agencies, 4130 First Ave. So., Seattle 4; H. George Shefler Co., P.O. Box 1587, Phoenix; John B. Tubergen Co., 2232 W. 11th St., Los Angeles 6.

PHELPS DODGE COPPER PRODUCTS CORP., Habirshaw Cable & Wire Div., 40 Wall St., New York City—Branch Offices: 6100 Garfield Ave., Los Angeles 22; Homer L. Hussey, Manager San Francisco office; George A. O'Brien, Mgr. Seattle office.

PHILADELPHIA ELECTRICAL & MFG. CO., 1200-36 N. 31st St., Philadelphia, Pa.—Keeler, White Co., 615 7th St., San Francisco; 422 N.W. 4th Ave., Portland; 436 Colyton Ave., Los Angeles; L. M. Slusser, 318 Dooly Block, Salt Lake City; Hamilton Associates, 512 Insurance Bldg., Denver.

PHILCO CORPORATION, C and Tioga Sts., Philadelphia 34, Pa. —Branch Offices: C. E. Lindstrom, Sales Mgr., Western Div., 650 Russ Bldg., San Francisco; H. T. Waller, Div. Mgr. So. Calif. Div., 408 So. Spring St., Los Angeles; Harper Dowell, Div. Mgr., Pacific Mt. Div., 650 Russ Bldg., San Francisco. Sold through leading wholesale distributors and dealers.

PHILLIPS CO., OSCAR, 4632 Paddock Rd., Cincinnati, Ohio—Paramount Mfg. Co., 2334 E. 83th St., Los Angeles; 900 Mills Bldg., San Francisco, 2221 4th Ave., Seattle; Jack Switzer, 4632 Paddock Rd., Cincinnati—covers states of New Mexico, Colorado, Wyoming and Utah. See ad p. 35.

PHOTOSWITCH, INC., 77 Broadway, Cambridge, Mass.—Branch Office: A. J. Erickson Co., 50 Hawthorne St., San Francisco. Agents: Bushnell Controls & Equip. Co., 509 Polk St., San Francisco and 3929 W. Jefferson Blvd., Los Angeles; Eicher & Co., Inc., 263 Colman Bldg., Seattle; Leonard M. Slusser, 318 Dooly Bldg., Salt Lake City; Pacific Controls Co., 1238 Seymour St., Vancouver, B.C.; East Point Sales Co., 602 Empire St. Bldg., Spokane; Automatic Control & Equip. Co., 1925 Blake St., Denver.

PIEPER-LILLARD, INC., 122 No. Kirkwood Rd., St. Louis 22, Mo. —Sold through offices Line Material Co.; James P. Kearney (Maydwell & Hartzell, Inc.); W. D. Howze & Co., 5403 N. Figueroa St., Los Angeles; K. M. Ryals Co., 461 Market St., San Francisco.

PIERCE RENEWABLE FUSES, INC., Box F, Leicester, N. Y. —Walter E. Wallace Co., 3546 Lincoln Ave., Oakland; Northwest Sales Co., 1603 N. W. Johnson St., Portland; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver; Glidden Eng. & Equip. Co., 1802 Winchester St., Houston; Robert C. Brinkley, 1008 Western Ave., Seattle 4; The McLoughlin Co., 811 East 14th Place, Los Angeles.

PIONEER BROACH CO., 1424 S. Main St., Los Angeles, Calif.—Pioneer Broach Co., 1424 So. Main St., Los Angeles 15; George Davis Co., 5519 Via Corona, Los Angeles; David H. Ross Co., 1355 Market St., San Francisco; Frank Wedel Co., 2934 First Ave., Seattle; A. J. Nelson Co., P. O. Box 2244, Denver.

PIONEER TOOL CO., 5008 W. Jefferson, Los Angeles 16, Calif. —George Davis, 5127 Whittier Blvd., Los Angeles 22; David H. Ross, 1355 Market St., San Francisco; Frank Wedel, 3215 Western Ave., Seattle 9; A. J. Nelson, P.O. Box 2244, Denver.

PITTSBURGH LECTROMELT FURNACE CORP., P. O. Box 1257, Pittsburgh, Pa.—E. A. Wilcox Co., 277 7th St., San Francisco and 406 So. Main St., Los Angeles; James R. Hewitt, 1213 Capitol S., Houston; Western Foundry Sand Co., 1043 Elliott Ave., West, Seattle; J. B. Ambler, Salt Lake City; Western Industrial Supply Co., Portland.

PITTSBURGH REFLECTOR CO., Oliver Bldg., Pittsburgh, Pa.—M. L. Fowler, 383 Brannan St., San Francisco; L. D. Morgan, 903 Securities Bldg., Seattle 1; Leonard Slusser, 318 Dooly Bldg., Salt Lake City 1.

PLASTIC WIRE & CABLE CORP., East Main St., Jewett City, Conn.—Bruce-Emmett Co. in following cities: 618 N. W. Hoyt St., Portland 9; 1016 First Ave. South, Seattle 4; F. M. Nicholas Co., 140 Spear St., San Francisco; Kenneth Anderson Co., 412 Seaton St., Los Angeles 13.

POLES, INC., E. 706 Sprague Ave., Spokane, Wash.

POLLAK LUMINESCENT CORP., 732 S. Federal St., Chicago 5, Ill.—P. A. Douden, 1645 Wazee St., Denver; Army & Feigel, 4209 Parry Ave., Dallas.

POLYMER CORP. OF PENNA., Reading, Pa.—E. Jordan Brookes Co., 5138 W. Jefferson Blvd., Los Angeles.

PORCELAIN INSULATOR CORP., 761 Main St., Lima, N. Y.—Joslyn Pacific Co. in following cities: 5100 District Blvd., Los Angeles 11; 180 Potrero Ave., San Francisco; 1523 N. W. Kearney St., Portland 9; 2424 First Ave. South, Seattle 4.

PORCELAIN PRODUCTS, INC., 422 W. Sandusky St., Findlay, Ohio—Low Voltages: Allied Industries, 412 Seaton St., Los Angeles; Electric Industries, 1135 Harrison St., San Francisco; E. A. Will, 532 First Ave., So., Seattle; Leonard M. Slusser, 318 Dooly Block, Salt Lake City; H. M. Olmstead, 1534 Wazee St., Denver; Ellar Sales Agency, 512 W. Granite, Albuquerque; High Voltage: Industrial Eng. & Equipment Co., 708 Subway Terminal Bldg., Los Angeles; J. W. Watkins, 551 Skinner Bldg., Seattle; Slaybaugh-Thompson Co., 100 W. 13th Ave., Denver.

PORTABLE ELECTRIC TOOLS, INC., 255 West 79th St., Chicago 20, Ill.—M. L. Bud Cohn, 1323 Venice Blvd., Los Angeles 6; George Woodward, 511 Merchandise Mart Bldg., Denver.

PORTER CABLE MACHINE CO., 1714 Saline St., Syracuse, N. Y. —Branch Office: 744 Harrison St., San Francisco; F. C. Paulsen, 1826 So. Hope St., Los Angeles 15; J. Manzari, Box 652, Livingston, Mont.; R. H. Shettler, P. O. Box 4014, Portland 8; R. A. Wigglesworth, 1541 Castle Dr., Sacramento; George F. Hastings, 1150 Speer Blvd., Denver 4.

POSITIVE LOCK WASHER CO., 181 Miller St., Newark 6, N. J. —Maydwell & Hartzell, Inc., in following cities: 1238 N. W. Glisan St., Portland; 306 Dexter Ave., Seattle; 427 West 5th St., Los Angeles; 158 11th St., San Francisco; 814 Paulsen Bldg., Spokane; 6710 No. 15th St., Phoenix.

POST-GLOVER ELECTRIC CO., 221 W. 3rd St., Cincinnati, Ohio —K. M. Ryals Co., 461 Market St., San Francisco 5; Johnson Supply Co., 1414 Wazee St., Denver 2.

POTTER & BRUMFIELD, Princeton, Indiana—James P. Hermans Co., 1234 Folsom St., San Francisco 3; V. T. Rupp Co., 2230 W. Eleventh St., Los Angeles 6.

POTTER & RAYFIELD, INC., 1570 Northside Dr., Atlanta, Georgia—Wm. J. Cottrell Co., 11341 S. W. Pacific Highway, Portland 1; Electrical Specialty Co., 1015 21st St., Denver 2; Tri-State Supply Corp., 544 So. San Pedro St., Los Angeles 13 and 554 Bryant St., San Francisco 7.

PRECISION APPARATUS CO., INC., 92-27 Horace Harding Blvd., Elmhurst, N. Y.—C. R. Strassner Co., 5108 Melrose Ave., Los Angeles 38; Northwestern Agencies Inc., 4130 1st Ave. So., Seattle 4; A. J. Nelson Co., P.O. Box 2244, Denver 1.

PREFORMED LINE PRODUCTS CO., 5349 St. Clair St., Cleveland 14, Ohio.—K. M. Ryals Co., 461 Market St., San Francisco.

PREMAX PRODUCTS, Div. Chisholm-Ryder Co., Inc., Highland & College Ave., Niagara Falls, N. Y.—Ken H. Best, 541 1st Ave. So., Seattle; A. L. Dickson, 1259 Clark Road, Paradise, Calif.; W. L. Glade, 1421 Sherman Ave., Salt Lake City.

PRESSTEEL CO., 800 Bancroft Way, Berkeley, Calif.—Barney DeRamus & Associates, 125 So. Santa Fe, Los Angeles; California-Arizona Sales Agency, 581 West G St., San Diego; D. S. Gleason, 901 E. 45th St., Seattle; J. R. Christensen, 247 East 5th So., Salt Lake City; Kenneth B. Schumann, 814 12th St., Denver.

PREST-O-LITE BATTERY CO., INC., P. O. Box 931, Toledo, Ohio—Branch Office: P. O. Box 97, Elmhurst Station, Oakland, Calif.

PRINGLE ELECTRICAL MFG. CO., 1956 N. 6th St., Philadelphia, Pa.—Oliver B. Lyman, 55 New Montgomery St., San Francisco 5.

PRITCHARD, J. E. & COMPANY, 908 Grand Ave., Kansas City, Mo. —The Fulcher Co., 58 Sutter St., San Francisco 4; Louis E. Purmort, 12141 Muriel Drive (Lynwood), Los Angeles; Thermal Engineering Co., 324 Sun Bldg., Boise; Sullivan Valve & Eng. Co., 909 E. Second St., Butte; Stapp Engineering Co., 512 Tabor Bldg., Denver; Karlson Machine Works, 605 E. Grant, Phoenix; Brod & McClung, 31 N. W. First St., Portland; Thermal Engineering, 1433 Harvard, Salt Lake City; Sullivan Valve & Eng. Co., P.O. Box 2208, Spokane and P.O. Box 1583, Great Falls, Mont.

PROCTOR ELECTRC CO., 322 W. Hunting Park Ave., Philadelphia, Pa.—Branch Office: 707 So. Hill St., Los Angeles 14; 1262 18th Ave., San Francisco; 17 E. Thomas Rd., Phoenix; 2819 Eaton St., Denver.

PRODUCT DEVELOPMENT CO. INC., 307 Bergen Ave., Kearney, N.J.—Maydwell & Hartzell, Inc., 158 Eleventh St., San Francisco 3; 427 W. Fifth St., Los Angeles 13; 1238 N.W. Glisan St., Portland 9; 306 Dexter Ave., Seattle 4; 814 Paulsen Bldg., Spokane 8 and 6710 N. 15th St., Phoenix.

PRODUCTION INSTRUMENT CO., 710 W. Jackson Blvd., Chicago 6, Ill.—E. V. Roberts & Associates, 5068 W. Washington Blvd., Los Angeles 16 and 988 Market St., San Francisco 2; C. R. Parsons, 119 Belmont Ave. No., Seattle 2.

PRODUCTION PLANNING CO., Allen Ventilator Div., 704 Woodward Ave., Rochester, Mich.—Air Equip. Sales Co., 1968 Riverside Dr., Los Angeles 39; Harris Supply, 524 N.W. 14th St., Portland 6; Idaho Ind. Supply Co., 195 S. 15th St., Boise; Phillips Steel Co., P. O. Box 336, Albuquerque; Frantz Service, 2090 S. Columbine St., Denver 10; Builders Supply, Box 176, Helena, Mont.; Oliphant Commercial Corp., 600 16th St., Oakland 12; Pursell & Co., S. 121 Monroe St., Spokane; R. E. Chase Co., 2332 E. 11th St., Tacoma.

PROGRESS MFG. CO., INC., 1401 Germantown Ave., Philadelphia, Pa.—M. B. Walker, Lakota Star Route, Tacoma, Wash.; Troy A. Bond, 1437 Valencia Ave., Pasadena, Calif.

PROPELLAIR DIV., ROBBINS & MYERS, INC., 1350 Lagonda Ave., Springfield, Ohio—Harry F. Haldeman, Inc., 2401 So. Hill St., Los Angeles; H. S. Jones, 237 Rialto Bldg., San Francisco; C. L. Koerner, 7604 S. E. 17th Ave., Portland.

PROTECTOWIRE CO., Washington St., Hanover, Mass.—Branch Offices: Protectowire Pacific Co., 1123 14th St., Longview, Wash., and 742 South Hill St., Los Angeles; 2845 Chapman St., Oakland 1; P.O. Box 268, Littleton, Colo.

K. M. RYALS COMPANY

Representing:

★

Schwager-Wood Corp.
HIGH VOLTAGE SWITCHING EQUIPMENT
- Complete line of station and line switches, interrupters, bus fittings and structures

★

Preformed Line Products Co.
- Armour Rods
- Guy Grips
- Dead-Ends
- Line-Guards
- Splice Rods

★

Erico Products, Inc.
CADWELD ELECTRICAL CONNECTIONS
- Copper to copper
- Copper to steel
- Permanent, high conductivity connections

★

Pieper-Lillard, Inc.
EARTH GUY ANCHORS
- Steel expanding type

WIRE STRINGING PULLEYS
WIRE LAY-UP GINS

★

Penrose, Inc.
UNIVERSAL SAFETY TROLLEY DUCT
- Crane runway conductors and neoprene enclosures
- Trolley arms and high speed carbon shoes

★

The Post-Glover Electric Co.
CHROMIUM STEEL GRID RESISTORS
HEAVY DUTY RHEOSTATS

★

Wama Company
ADD-A-POINT TERMINAL BLOCKS
- Pressure or screw type terminals

★

YUkon 2-5510

K. M. RYALS COMPANY

461 Market St.
San Francisco 5, Cal.

Plainly outlining . . .

integrated power systems

as a prime tool in providing adequate electrical power

THIS BOOK presents a compact, easy-to-read survey of the economic, sociological, and technical aspects of the integrated power system as a source of the adequate electric power so important in conserving our natural and human resources. It considers the economic advantages of the system, also analyzes the multitude of technical considerations involved, pointing up the coordination necessary to achieve the full results of which the integrated system is capable.

THE INTEGRATED POWER SYSTEM

As the Basic Mechanism for Power Supply

By PHILIP SPORN

President, American Gas and Electric Company

157 pages, 5½ x 8, 28 illustrations, $4.00

THE PRODUCT of 30 years of study and analysis, this book treats the integrated power system's position in the socio-economic structure in this country, emphasizing the importance of its future role. It discusses the advantages of the integrated system over a chain of power systems operated independently—from the viewpoint of savings in size of units and amount of reserve, lowered margins of insurance, utilization of the most economical sources of supply, and operation of all generating and load centers as a basic whole.

Check this book for information on the integrated system such as:

- its advantages and disadvantages
- its technical bases
- importance of skilled coordinating personnel
- sources of power
- components and tools
- how it develops latent energy
- its social economic position
- and many other questions concerning various aspects of the integrated power system.

Even though it is not primarily a technical investigation, the book deals with the technical bases, components, and tools of the integrated system. Discussed are the generator, transmission, distribution systems; the tools which protect and regulate the system; and the role of skilled personnel in coordinating the system.

A final chapter shows the actual growth of a typical system.

SEE THIS BOOK 10 DAYS FREE

McGRAW-HILL

McGraw-Hill Book Co., Inc.
330 W. 42nd St., New York 36

Send me Sporn's **THE INTEGRATED POWER SYSTEM** for 10 days' examination on approval. In 10 days I will remit $4.00, plus few cents for delivery, or return book postpaid. (We pay for delivery if you remit with this coupon; same return privilege.)

Name .....

Address .....

City ..... Zone ..... State .....

Company .....

Position ..... West 4-52

This offer applies to U. S. only

PRYNE & CO., INC., 140 N. Towne Ave., Pomona, Calif.—Branch Office: Los Angeles. McMillen-Stanley Co., 778 Natoma St., San Francisco; W. H. Cress Co., 266 Concord Bldg., Portland 4; John W. Reynolds, 74 W. 4th So., Salt Lake City; Gaer, Florance & Associates, 2052 Humboldt St., Denver; Chas. Nelson, 203 White-Henry-Stuart Bldg., Seattle 1.

PORTER COMPANY, 1944-52 Sheridan Rd., North Chicago, Ill.—Northwest Sales & Eng. Service Co., 915 Terminal Sales Bldg., Seattle; A. W. Nash, 3312 W. Vernon, Los Angeles 8.

PURE CARBON CO., Wellsville St., St. Marys, Pa.—Northwest Sales & Engineering Service Co., 915 Terminal Sales Bldg., Seattle; A. J. Nelson, P. O. Box 2244, Denver; C. J. Gratiot & Sons, 1282 Folsom St., San Francisco and R. F. Gratiot, 525 Crocker St., Los Angeles 13; Clyde L. Webb, P.O. Box 9322, Fort Worth.

PYLE-NATIONAL CO., 1334 N. Kostner Ave., Chicago 51, Ill.—Branch Office: 593 Market St., San Francisco 5, Mr. J. F. Van Nort, Div. Sales Mgr. Agents: Henger & Seltzer Co., 120 So. Hewitt St., Los Angeles 12; Shaffer & Nelson in following cities: 312 Occidental Ave., Seattle 4; 1215 N.W. Everett, Portland 9; 824 Realty Bldg., Spokane 8; Sales Engineers Co., Atlas Bldg., Salt Lake City and 1440 11th St., Denver; Hodges & Glomb, 1264 Folsom St., San Francisco. (See adv., page 39.)

PYRAMID INSTRUMENT CORP., 49 Howard St., New York City—Allied Industries, 412 Seaton St., Los Angeles; F. M. Nicholas Co., 140 Spear St., San Francisco; Northwestern Agencies, Inc., 4130 First Ave. So., Seattle; L. S. Reed Co., 1018 Lawrence St., Denver; Glidden Eng. & Equipment Co., 3802 Winchester St., Houston.

PYRENE MFG. CO., 560 Belmont Ave., Newark 8, N. J.—Ben S. Allen, Pacific Coast Mgr., 1177 Mission St., San Francisco 3.

QUADRANGLE MFG. CO., 32 So. Peoria St., Chicago 7, Ill.—Keeler, White Co., 615 7th St., San Francisco 3 and 422 N. W. Fourth, Portland; 1041 Sixth Ave., Seattle; A. Allen Smith, 1513 Mateo St., Los Angeles.

QUALITY GLASS CO., Van Voorhis, West Va.—M. B. Walker, Lakota Star Rte., Tacoma, Wash.; E. B. Cook Co., 1063 Howard St., San Francisco; J. D. Reynolds, 3201 Dos Palos Dr., Los Angeles.

QUALITY PRODUCTS CO., 387 Charles St., Providence 7, Rhode Island—Ray J. Noel Co., 3301 Trinity, Los Angeles; Harry F. Ream Sales Agency, 2695 Newland St., Denver; Pete Bach Electric, 1233 N.W. 12th Ave., Portland 9.

R & I E EQUIPMENT DIV., of I-T-E Circuit Breaker Co., Greensburg, Penna.—Branch Offices: Rm. 219 Rialto Bldg., 116 New Montgomery St., San Francisco 5 and Denham Bldg., 635 18th St., Denver 2. Sales Agents: W. R. L'Hommedieu, 722 E. Washington Blvd., Los Angeles 21; Garland Affolter Eng. Corp., 1233 N.W. 12th St., Portland 9 and 2603 Western Ave., Seattle 1; Central Station Equipment Co., 2323 Aviation Nighway, Tucson; Butler & Land, 5538 Dyer St., Dallas; Elec'l & Mechanical Supply Co., Inc., 708 N. Piedras St. El Paso and 208½ W. San Francisco St., Santa Fe; Lynn Elliott Co., 1 Main St., Houston; Monitor Home Appliances, Inc., 604 Utah Ave., Butte, Mont.; Riter Engineering Co., 136 So. Main St., Salt Lake City 1.

RACON ELECTRIC CO., INC., 52 E. 19th St., New York City 3—Wm. H. and Don C. Wallace, 1206 Maple Ave., Los Angeles 15; David H. Ross Co., 1355 Market St., San Francisco 3; A. J. Nelson Co., 1639 Blake St., Denver 1; Frank Wedel Co., 3215 Western Ave., Seattle 99.

RADIANT GLASS CO., P. O. Box 119, Fort Smith, Ark.—E. B. Cook Co., 1063 Howard St., San Francisco; L. S. Reed & Co., 1018 Lawrence St., Denver 4; Barney DeRamus, 123 So. Santa Fe St., Los Angeles 12; J. R. Penning, 2323 2nd Ave., Seattle 1; NuRo Co., 414 Houston Bldg., San Antonio 5.

RADIANT GLASS HEATING CORP., 845 W. Washington, Los Angeles, Calif.—c/o Company, 560 3rd St., San Francisco and 376 17th St., Oakland.

RADIANT LAMP CORP., 500 Jelliff Ave., Newark, N. J.—Branch Office: 2665 Hollyridge Drive, Hollywood 28. Sold by leading electrical wholesalers all principal cities.

RADIANT LIGHTING FIXTURE CO., INC., 95 Morton St., New York City 14—P. D. Meid & Co., 712 So. Olive St., Los Angeles; P. Schwartz, 1355 Market St., San Francisco.

RADIO APPARATUS CORP., 55 No. New Jersey St., Indianapolis, Ind.—Lee H. Owens Co., 2331 W. Washington Blvd., Los Angeles 18; James P. Hermans Co., 1234 Folsom St., San Francisco 3; H. George Shefler Co., P.O. Box 1587, Phoenix; Frank Wedel Co., 3215 Western Ave., Seattle 99.

RADIO CITY PRODUCTS CO., INC., 152 W. 25th St., New York City—S. H. Cohn, 1730 Venice Blvd., Los Angeles; Robert H. Vermilya, 1355 Market St., San Francisco; Allen I. Williams Co., 230 Cooper Bldg., Denver.

RADION CORP., 1130 W. Wisconsin, Chicago 14, Ill.—Les Taufenbach Co., 4860 Valley Blvd., Los Angeles 32 and 1355 Market St., San Francisco.

RAKIT CORP., 711 So. 50th St., Philadelphia 43, Pa.—H. J. Randolph Co., 650 So. Grand Ave., Los Angeles 17.

RAMBUSCH DECORATING CO., 38 W. 13th St., New York 11, N. Y.; H. B. Squires Co., 156 8th St., San Francisco.

RAMSET FASTENERS, INC., 12117 Berea Rd., Cleveland, Ohio—Ace Supply Co., 319 W. Josephine St., San Antonio; Andrey Co., Inc., 412 Seaton St., Los Angeles; Cascade Distributors, 1404 Eighth Ave., So., Seattle 4; Thunderbird Sales, 410 So. First St., Phoenix; Elder & Co., 390 7th St., San Francisco.

RAPID ELECTROPLATING PROCESS, INC., 1414 S. Wabash Ave., Chicago 5, Ill.—H. S. Jones, 237 Rialto Bldg., San Francisco 5.

RATTAN MFG. CO., 10 Wall St., New Haven 7, Conn.—Michel Brothers, 260 E. 31st St., Los Angeles; McMillen-Stanley Co., 778 Natoma St., San Francisco; Elec'l. Eng. & Sales Corp., 2030 Texas St., El Paso; Northwest Sales Co., 1603 N. W. Johnson St., Portland; Wm. B. Proby, Seattle; J. C. Coulson, Phoenix.

RAWLPLUG CO. INC., 271 Church St., New York 13, N. Y.—Branch Offices: 59 Grace St., San Francisco 3; 735 E. Washington Blvd., Los Angeles 21; 548 5th Ave. So. Seattle; 1150 Speer Blvd., Denver 4 and 1600 Cedar Springs Ave., Dallas 1.

Protect electrical equipment and keep maintenance costs down with PYLE-NATIONAL SEALING GRIPS for flexible cords & cables

Pyle accurately-cut tapered threads and tapered rubber bushings assure a positive grip with a water-tight and dirt-tight seal preventing strain on terminal connections and deterioration of electrical parts or intricate mechanisms.

With Pyle sealing grips installed, tension or strain on the portable cord or cable is taken up by the gripping action instead of the wire terminal connections. At the same time this sealing action prevents moisture or dirt from entering the wiring compartment or mechanism enclosure.

Aluminum bodies are available in a variety of styles and sizes including types with hexagon nipple for anchoring in sheet metal panels, cabinets or overhead power distribution ducts.

Compression nuts can also be furnished with a split mechanical clamp, a cord protecting spring, or with an attachment for rubber hose or flexible conduit. Two and three hole rubber bushings are also available.

Write today for Pyle-National Bulletin No. 1145 for complete listings.

SINCE 1897

THE PYLE-NATIONAL COMPANY
1364 NORTH KOSTNER AVENUE, CHICAGO 51, ILLINOIS
Branch Offices and Agents in Principal Cities of the United States
EXPORT DEPARTMENT: International Railway Supply Co., 30 Church St., New York
CANADIAN AGENT: The Holden Co., Ltd., Montreal, Toronto, Winnipeg, Vancouver

CONDUIT FITTINGS • GYRALITES • TURBO-GENERATORS • FLOODLIGHTS • PLUGS & RECEPTACLES • MULTI-VENT AIR-DISTRIBUTION

BRANCH OFFICE: 593 Market Street, San Francisco, Calif., YUkon 6-5498
WESTERN SALES AGENTS

SAN FRANCISCO 6, CALIF. Hodges & Glomb 1264 Folsom St. UNderhill 1-2367
LOS ANGELES 12, CALIF. Henger-Seltzer Co. 120 S. Hewitt St. MAdison 2631
SEATTLE 4, WASH. Shaffer & Nelson 312 Occidental Ave. MUtual 0186
DENVER Sales Engineers, Inc. 1440 11th Street
PORTLAND 14, OREGON Shaffer & Nelson 411 Weatherly Building East 6639
SPOKANE 8, WASH. Shaffer & Nelson 824 Realty Bldg. MA 8370

RELIANCE AUTOMATIC LIGHTING CO.

1939 MEAD ST. RACINE, WIS.

CHAS. A. MEIER CO. 1473 Harrison St. San Francisco 3, Calif.

The ED. WARBURG CO. 1207 E. 8th St. Los Angeles 21, Calif.

B. & W. SALES CO. 501 Wadsworth Ave. Denver 15, Colo.

THE RELIANCE LINE OF TIME SWITCHES . . .

• Reliable devices for automatically controlling circuits where current is to be turned on and off at predetermined times daily. Fully guaranteed by the manufacturer and listed by the Underwriters' Laboratories.

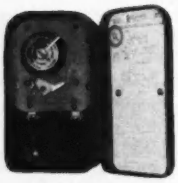
M2 Illustrated

"BADGER" Synchronous

This model is specifically a heavy duty time switch designed and built to meet the demand for a reasonably priced switch with a capacity great enough to meet a wide variety of requirements. Extra-heavy gears, a slow-speed synchronous motor, and heavy copper-to-copper "floating" contacts—all help to make the "Badger" a better-built switch for long-lasting, accurate control.

All types are single throw (straight ON and OFF)

Type	Poles	Switch Capacity	Case
M1	1	50 A. at 125 V.	Sheet Steel
M2	2	50 A. at 125/250 V.	Sheet Steel
RM	1	50 A. at 125 V.	Cast Aluminum
RM5	2	50 A. at 125/250 V.	Cast Aluminum



W-22 Illustrated

"MODEL W" Synchronous

An extremely simple, compact and dependable time switch which with only three types, covers practically every time switch requirement. Has large silver contacts and heavy-duty self-starting motor. Type W-33 controls two separate circuits independently or simultaneously by merely setting the trip hands for the desired schedule of operation. Model W case is of 20 gauge steel finished in hammerloid enamel.

Type	Poles	Throw	Switch Capacity
W-11	1	Single Throw	30 A. at 125 V.
W-22	2	Single Throw	30 A. at 125/250 V.
W-33	2	Two Circuit	30 A. at 125/250 V.

Type 401

"MODEL 400" Synchronous

A simplified, smaller, lower cost time switch, especially suitable for automatic control of circuits up to 2500 watts, such as small window lighting installations, signs, oil burners, air conditioning, etc. Contacts are silver-to-silver. Timing element is driven with precision gear train and vernier time set. Numbered terminals are provided for all connections. Case is one-piece deep drawn steel with hinged cover.

Type	Poles	Throw	Switch Capacity
401	1	Single Throw	20 A. at 125 V.

Astronomic dial available on types W-11 and W-22.

Complete catalog gladly furnished on request.

RAYTHEON MFG. CO., 90 Willow St., Waltham, Mass.—Branch Offices: 49 California St., San Francisco; 3224 Western Ave., Seattle; 404 No. Avalon Blvd., Wilmington, Calif. Agents (Magnetic Components) V. T. Rupp, 2230 West Los Angeles, Los Angeles, Calif.; Robert M. Campion, Box 4116 S. Dallas 8; (Welding) Victor Equipment Co., 3821 Santa Fe Ave., Los Angeles and Sullivan Cassimus Co., 651 Folsom St., San Francisco.

REDMOND CO., INC., Owosso, Mich.—Redmond Co. of Calif., Inc., Chas. Bickert, Mgr., 1260 So. Boyle Ave., Los Angeles 23.

REGENT-SAVOY ELEC'L. MFG. CORP., 589 North Ave., New Rochelle, N. Y.—James M. Tuite, 1802 Corona St., Dallas 14; Roth Sales Co., 1920 Grape St., Denver 7.

REGINA CORPORATION, Rahway, N. J.—Branch Office, 520 W. 7th St., Los Angeles 14. Sold thru leading wholesalers all principal cities.

RELIABLE ELECTRIC CO., 3145 Carroll Ave., Chicago 12, Ill.—H. C. Mitchell, Jr., and S. M. Sherman, 25 Beale St., San Francisco. Sold thru Graybar Electric Co., Inc., all principal cities. Joslyn Pacific Co., Los Angeles, San Francisco, Portland, Seattle and Salt Lake City.

RELIANCE AUTOMATIC LIGHTING CO., 1939 Mead St., Racine, Wis.—C. A. Meier, 1473 Harrison St., San Francisco 3; Ed Warburg Co., 1207 E. 8th St., Los Angeles; B & W Sales Co., 100 W. 13th Ave., Denver 4. See 100 W. 13th Ave., Denver 4. (See adv., page 40.)

RELIANCE ELECTRIC & ENGINEERING CO., 1088 Ivanhoe Rd., Cleveland, Ohio — J. C. Shaffer, 1215 N.W. Everett St., Portland; F. G. Guthrie, 420 Market St., San Francisco; H. A. Latta, 714 W. Olympic St., Los Angeles; E. H. Nelson, 312 Occidental Ave., Seattle; Peterson Co., 4949 Colorado Blvd., Denver; Clarence W. Silver Co., 550 W. 7th South St., Salt Lake City; Boyd Engineering Co., 1600 W. Jefferson, Phoenix.

REMINGTON RAND, INC., Electric Shaver Div., 60 Main St., Bridgeport, Conn.—Branch Offices: 41 First St., San Francisco; 711 S. Olive St., Los Angeles; 1910 Fourth Ave., Seattle.

REMLER CO., LTD., 2101 Bryant St., San Francisco, Calif.

REPUBLIC CREOSOTING CO., 1615 Merchants Bank Bldg., Indianapolis, Ind.—B. L. George, 1101 Arch Bldg., Los Angeles; L. B. Tollefson, Box 50, Rte. 2, Renton, Wash.; R. K. Nelson, Box 286, Provo, Utah.

REPUBLIC STEEL CORP., Steel & Tubes Div., 224 East 131st St., Cleveland, Ohio—Branch Offices: General Petroleum Bldg., Los Angeles 14; 225 Rialto Bldg., San Francisco 5; Continental Oil Bldg., Denver 2. Agents: J. C. Shaffer, 1215 N.W. Everett St., Portland 9; E. N. Nelson, 312 Occidental Ave., Seattle 4.

RESIN INDUSTRIES, P. O. Box 1589, Santa Barbara, Calif.—Angus-Campbell, Inc., 5320 Santa Fe Ave., Los Angeles 58, 2122 Fourth Ave., Seattle and 241 San Bruno Ave., San Francisco 3; Insulation & Wires, Inc., 2240 W. Washington Blvd., Los Angeles 21; 1077 Howard St., San Francisco 3 and 1072 N. E. Sandy Blvd., Portland 14; Tri-State Supply Corp., 544 So. San Pedro St., Los Angeles 13; 534 Bryant St., San Francisco 7 and 318 Occidental Ave., Seattle 4; Western Fiberglas Supply, 937 So. Grand Ave., Los Angeles 15 and 739 Bryant St., San Francisco.

REVCO, INC., 2 East Franklin St., Minneapolis 4, Minn.—R. Meussdorffer, 8468 Melrose Place, Los Angeles; Andrews Hdwe & Metals, 334 So. Main, Los Angeles; Engineering Sales Co., 411 So. Wall St., Los Angeles; Goddard-Jackson Co., 935 So. Santa Fe Ave., Los Angeles; C. W. Marwedel, 11th and Alice Sts., Oakland; San Diego Hdwe Co., 840 5th Ave., San Diego; Nadon Eng. Co., 7 Front St., San Francisco; H. S. Jones, Rialto Bldg., San Francisco.

REVCOR., 5201 N. Avondale Ave., Chicago, Ill.—W. A. Roben Co., 6228 36th Ave., N.E., Seattle 5.

REVERE COPPER & BRASS CO., INC., 230 Park Ave., New York City—Branch Offices: T. F. Richardson, Dist. Mgr., 116 New Montgomery, San Francisco; 6500 East Slauson Ave., Los Angeles; W. H. Hitchcock, Gen. Mgr., 1231 Third Ave., Seattle.

REVERE ELECTRIC MFG. CO., 6009-17 Broadway, Chicago 40, Ill.—Bracken Sales Agency, 923 E. 3rd St., Los Angeles; L. M. Baxter Co., 926 Natoma St., San Francisco; 1220 S. W. Stark, Portland and 1006 Lowman Bldg., Seattle; The Darger Co., 328 W. 2nd St., So., Salt Lake; L. S. Reed & Co., 1018 Lawrence St., Denver 4.

REYNOLDS ELECTRIC CO., 3000 River Road, River Grove, Ill.—Segman H. Kadin, 950 S. Flower St., Los Angeles 15.

RHEEM MFG. CO., 4361 Firestone Blvd., South Gate, Calif.—Branch Offices: 1804 Russ Bldg., San Francisco; 1515 S. W. 5th Ave., Portland and 4361 Firestone Blvd., South Gate, Calif.

RHODE ISLAND INSULATED WIRE CO., INC., 50 Burnham Ave., Cranston, R. I.—Western District Mgr., Wilbert B. Buchman, 4710 So. Crenshaw Blvd., Los Angeles.

RHODES, INC., M. H., 30 Bartholomew Ave., Hartford, Conn.—J. Y. Schoonmaker Co., 2011 Cedar Springs, Dallas; Wm. J. Goebel, 1406 So. Grand Ave., Los Angeles; James P. Hermans, 1234 Folsom St., San Francisco; J. Webb Kitchen, Inc., 2115 Second Ave., Seattle; V. R. Dittman, 2300 So. Madison St., Denver; H. George Sheffler, P.O. Box 1587, Phoenix.

RICHARDS CO., J. R., P. O. Box 482, Carnegie, Pa.—Michel Brothers, 1015 E. 16th St., Los Angeles 21; F. M. Nicholas, 140 Spear St., San Francisco 5.

RICHARDSON - ALLEN CORP., 116-15 Fifteenth Ave., College Point, N. Y.—A. W. Nash, 3312 W. Vernon Ave., Los Angeles; Howard E. Schroedel, 612 Lowman Bldg., Seattle 4.

RIDGE TOOL CO., Clark St., Elyria, Ohio—Seth W. Smith, P. O. Box 229, Van Nuys, Calif.; O. E. Perry, 7401 Fremont Ave., Seattle.

RIPLEY CO., INC., 1 Factory St., Middletown, Conn.—A. W. Nash, 5225 Wilshire Blvd., Los Angeles 36; James J. Backer, 2321 Second Ave., Seattle 1.

RITTENHOUSE CO., INC., East St., Honeoye Falls, N. Y.—Earl E. Eckstrom & Associates, 2601 Second Ave., Seattle; Allen B. Carpenter Co., 820 Twelfth St., Denver; M. C. Huie Co., 2810 Canton St., Dallas, Dean D. Kitzmiller, 1447 Hillcrest Ave., Glendale 2.

INCANDESCENT

	Lamp Used
RLM PORCELAIN ENAMEL DOME REFLECTORS **Specification No. 1**	100-w 150-w 200-w 300-500-w 750-1500-w
RLM PORCELAIN ENAMEL DEEP BOWL REFLECTORS **Specification No. 2**	
RLM PORCELAIN ENAMEL SYMMETRICAL ANGLE REFLECTORS **Specification No. 3**	
RLM HIGH-MOUNTING PORCELAIN ENAMEL REFLECTORS **Specification No. 4**	300-1500-w Gen'l Service Incandescent 400-w Mercury
RLM PORCELAIN ENAMEL GLASSTEEL DIFFUSERS **Specification No. 18**	200-w 300-500-w 750-1000-w
RLM HIGH-MOUNTING ALUMINUM REFLECTORS **Specification No. 40**	300-1500-w Gen'l Service Incandescent 400-w Mercury

FLUORESCENT

	Spec. No.	Length of Unit	Lamps Used*
RLM TWO-LAMP OPEN-END PORCELAIN ENAMEL UNITS	9	48"	40-w or 38-w
	11	60"	40-w, 85-w or 100-w T17
	23	48" (shield)	40-w or 38-w
	28	72"	58-w T12
	30	96"	75-w T12
RLM THREE-LAMP OPEN-END PORCELAIN ENAMEL UNITS	10	48"	40-w or 38-w
	29	72"	58-w T12
	31	96"	75-w T12
RLM TWO-LAMP CLOSED-END PORCELAIN ENAMEL UNITS	5	48"	40-w or 38-w
	7	60"	40-w, 85-w or 100-w T17
	22	48" (shield)	40-w or 38-w
RLM THREE-LAMP CLOSED-END PORCELAIN ENAMEL UNITS	6	48"	40-w or 38-w

*black numbers are General Service, red numbers are Slimline Lamps

Assure You of the Kind of Lighting Performance Needed for...

Defense Production

Defense production demands the highest type of lighting performance to meet the wide range of seeing tasks, varied atmospheric conditions and difficult seeing conditions found today, as American Industry shifts into high gear. To meet these needs economically and dependably, the emphasis is on *uninterrupted* performance. Therefore it is important to specify units that can be depended upon to provide and *sustain* rated light output over years of service.

Specification of RLM Lighting Units provides finest assurance of efficient and uninterrupted lighting performance. The RLM Label is a warranty of conformance to *minimum standards* established by the Institute for lighting performance that meets most approved modern illuminating practices.

Shown here is a chart, listing the 34 different industrial lighting units for which the RLM Standards Institute has established specifications covering construction, finish, reflector design, ballasts and uniform quality. The Institute is currently engaged in the development of new specifications and revision of present standards in its effort to keep abreast of the latest advancements in illuminating engineering. To make certain of lighting performance that is the kind needed for defense production, specify lighting units certified to conform to RLM Standards of Quality.

FREE RLM SPECIFICATIONS BOOKLET brings you complete details on the many essentials of Defense Production Lighting. Your copy will be sent free on request to RLM STANDARDS INSTITUTE, Suite 815, 326 W. Madison St., Chicago 6, Ill.

CONFORMANCE to the ESSENTIALS of DEFENSE PRODUCTION LIGHTING is Assured when you specify RLM-LABELED Lighting Units: High diffusion with high reflection factor · Top-quality porcelain-enameled reflectors · Approved reflector design · High power factor ballasts · Uniform quality of materials and construction · Conformance to National Electrical Code

RLM STANDARDS INSTITUTE
INCORPORATED

The letters RLM stand for Reflector and Lighting Equipment Manufacturers

B5631

RIVAL MFG. CO., 22nd & McGee, Kansas City, Mo.—Leonard J. Neary, 3120 W. 9th St., Los Angeles; Fred C. Wood Co., 1355 Market St., San Francisco; Terminal Sales Bldg., Seattle and Brockman Bldg., Los Angeles.

ROBERSON, L. N., COMPANY, 1539 East 103rd St., Seattle, Wash.—Western representatives: George K. Brokaw, 165 Jesse St., San Francisco 4; sold through leading electrical distributors and contractors in all principal cities.

ROBBINS & MYERS, INC., 1345 Lagonda Ave., Springfield, Ohio.—H. S. Jones (Fan, Motor, Propellair, Pump) 627 Rialto Bldg., San Francisco 5; Hahn Equipment Co. (Hoist & Crane, Propellair, Pump) 1745 Blake St., Denver 2; Gordon Wood (Fan Div.) 1855 Industrial St., Los Angeles 21; R. Meussdorfer (Motor Div.) 8468 Melrose Place, Los Angeles 46; Harry F. Haldeman Co., (Propellair Div.) 2401 S. Hill St., Los Angeles; C. L. Koerner (Propellair Div.) 7604 S.E. 17th St., Portland; Modern Equip. Co. (Propellair Div.) 407 Walker Bank Bldg., Salt Lake City 1. For Hoist & Crane Div.: Gamble-Hawkins Co., 1617 N.W. 14th, Portland; Robert M. Taylor Co., 735 Treat Ave., San Francisco 10; F. T. Crowe & Co., Inc., 325 Second Ave. West, Seattle 14; Miller Steel Products Co., 5809 Tweedy Blvd., South Gate, Calif. For Pump Div.: Fernholtz Machinery Co., 8468 Melrose Place, Los Angeles 46; Truscott Co., 2007 S.E. Powell Blvd., Portland 2; Modern Equipment Co., 407 Walker Bank Bldg., Salt Lake City 1.

ROCKBESTOS PRODUCTS CORP., 285 Nicoll St., New Haven, Conn.—Branch Offices: P. O. Weston, Oakland Municipal Airport Bldg. 741, Oakland, Calif.; Howard G. Jones, 4020 W. 3rd St., Los Angeles, Calif., R. M. Keay, P.O. Box 302, Seattle 11.

ROCKWELL MFG CO., Freeport, Ill.—E. B. Bradley Co., 1205 S. Hill, Los Angeles, 462 Bryant St., San Francisco, and 2408 1st Ave. So., Seattle.

RODALE MFG. CO., INC., Emmaus, Pa.—Joseph Liner, 1827 S. Hope St., Los Angeles; K. B. Schumann Co., 816 12th St., Denver; H. L. Guokas, 2629 Roanoke St., Dallas.

ROEBLING'S SONS CO., JOHN A., 640 So. Broad, Trenton, N. J.—Branch Offices: D. Gould, 900 First Ave. So., Seattle; J. Godbe, 1740 17th St., San Francisco; G. H. Cederlof, 5340 E. Harbor St., Los Angeles.

ROLLER-SMITH CORP., 1000 8th Ave., Bethlehem, Pa.—J. C. McDougall, 520 1st Ave. So., Seattle; M. L. Fowler, 383 Brannan St., San Francisco and 232 So. Hill St., Los Angeles; Mark A. Mueller, 1644 Blake St., Denver; W. M. Grooms, 630 Dooly Block, Salt Lake City.

ROGERS CORPORATION, Oakland at Duro St., Manchester, Conn.—Electrical Specialty Co., in following cities: 418 East 3rd St., Los Angeles; 316 11th St., San Francisco; 1015 21st St., Denver; 2406 1st Ave. So., Seattle.

ROLL-A-REEL, INC., 327 W. 4th St., Cincinnati, Ohio—Electric Agencies, 618 Second Ave., Seattle; A. B. Smedley, 1254 No. Los Robles, Pasadena.

ROME CABLE CORP., Ridge St., Rome, N. Y. and Torrance, Calif. (Conduit Plant)—Branch Offices: 1100 Selby St., San Francisco 24; 3404 Fourth Ave. South, Seattle 4; 230 South 4th St. West, Salt Lake City; 1620 S. W. Taylor St., Portland 5 and 2638 Bay St., Los Angeles 21; 1160 Elati St., Denver 2.

ROPER CORPORATION, GEO. D., 340 Blackhawk Park Ave., Rockford, Ill.—Branch Offices: 4819 E. 49th St., Los Angeles and 1355 Market St., San Francisco 3; C. A. Christensen, 4685 41st Ave. N. E., Seattle.

ROTISS-O-MAT CORPORATION, 10-02 44th Dr., Long Island City 1, N. Y.—J. L. Stulsoft, 1355 Market St., San Francisco.

ROYAL ELECTRC CO., INC., 95 Grand Ave., Pawtucket, R. I.—Eckert-Lloyd Co., 2115 So. San Pedro, Los Angeles and 144 Townsend St., San Francisco; Northwestern Agencies, 4130 First Ave., South, Seattle; Wm. Benndorf, 401 W. Jackson St., Phoenix and P.O. Box 3033-A, El Paso; The Nuro Co., 414 Houston Bldg., San Antonio, 309 Browder St., Dallas and 134 Palmer St., Houston; The Lawson Wilson Co., 3202 Hedgerow Dr., Dallas; Harry F. Ream Sales Agency, 2695 Newland St., Denver.

ROYAL ELECTRIC MFG. CO., 1122 E. 87th St., Chicago, Ill.—Industrial Eng. & Equip. Co., Subway Terminal Bldg., Los Angeles; W. A. Lefler, Casper, Wyo.

ROYAL VACUUM CLEANER CO., 540 E. 105th St., Cleveland 8, Ohio—J. A. Keim, 26601 Calle California, Capistrano Beach, Calif.; Kaemper-Barrett, 1850 Mission St., San Francisco 3; Austin & Son, 1123 Wazee St., Denver 2; Biggs-Kurtz Co., 304 W. Main St., Grand Junction, Colo.; R. E. Harris, Inc., 131 W. Ash St., San Diego 1; Graybar Electric Co., Inc., all principal cities

RUBY LIGHTING CORP., 1212 S. Olive St., Los Angeles 15, Calif.—Dan Radke Co., 754 Natoma St., San Francisco 3; Edward Beasley Associates, 1025 Second Unit Santa Fe Bldg., Dallas; Wm. Brown, Jr., Rte. 2, Box 119, Bellevue, Wash.; Elec. & Mech. Supply Co., 708 N. Piedras St., El Paso; JWR Co., 74 W. 4th St., Salt Lake.

RUGGLES-KLINGEMANN MFG. CO., Foster Court, Salem, Mass.—Instrument Sales Co., 2137 Second Ave., Seattle 1; O. J. Grendahl & Son, P. O. Box 897, Phoenix; C. H. Spencer & Co., 1421 So. Main St., Salt Lake City 4; Hendrie & Bolthoff Co., 1635 17th St., Denver 21; Charles Merisam Co., 4760 E. Olympic Blvd., Los Angeles 22; Ref. & Power Spec. Co., 380 Brannan St., San Francisco 7.

RUSGREEN MFG. CO., 14262 Birwood Ave., Detroit, Mich.—L. R. Ward Co., 2711 Commerce St., Dallas; A. B. Smedley, 1254 N. Los Robles, Pasadena; K. M. Ryals, 461 Market St., San Francisco; Keeler, White Co., 422 N. W. 4th Ave., Portland; 1041 S. 6th Ave., Seattle and 204 Keith Bldg., Denver; O. J. Grendahl & Son, 726½ E. Portland Ave., Phoenix.

RUSSELL, BURDSALL & WARD BOLT AND NUT CO., 4466 Worth St., Los Angeles, Calif.—Branch Office: Oakland, Calif. Representatives: Gillette & McLaren, 309 S. W. 3rd Ave., Portland and 407 Smith Tower, Seattle.

RUSSELL & STOLL CO., INC., 125 Barclay St., New York City, N. Y.—Eichorn & Melchior, 501 Indiana St., San Francisco; E. A. Will, 534 First Ave. So., Seattle 4; Allied Industries, 412 Seaton St., Los Angeles.

RUTENBER ELECTRIC CO., 201 E. Charles, Marion, Ind.—Frank H. Barstow, 1406 So. Grand Ave., Los Angeles; W. E. Gnadt, 435 Atlas Bldg., Salt Lake City; Lloyd D. Marsh, 2601 First Ave., Seattle.

S & C ELECTRIC CO., (Formerly Schweitzer & Conrad), 4435 Ravenswood Ave., Chicago, Ill.—Western representatives: Charles E. Klaus Co., 1004 S. E. Belmont, Portland 14; George E. Honn Co., 420 Market St., San Francisco 11; H. J. Randolph Company, 650 So. Grand Ave., Los Angeles 17; Muth-Richards Co., 2605 Western Ave., Seattle 1; A & A Supply Co., 114 No. Morningside, P. O. Box 1516, Albuquerque; Riter Engineering Co., Kearns Bldg., Salt Lake City; Peterson Company, 4949 Colorado Blvd., Denver 16.

SKF INDUSTRIES, INC., Front & Erie Ave., Philadelphia 32, Pa.—Branch Offices: 979 Bryant St., San Francisco 3, J. C. Bowman, Manager; 1419 So. Flower St., Los Angeles 15, W F. Weidner, Mgr.; 1101 N. W. Glisan St., Portland 9, E. Isopera, Mgr.; 1420 18th St., Denver 2, A. H. Dixon, Mgr.

S & M LAMP CO., 119 West 36th Place, Los Angeles, Calif.—Dan H. Radke, 754 Natoma St., San Francisco; Paul Waterbury, 119 West 36th Place, Los Angeles; John Hancock, 2921 Fairmount, Dallas; John Allen Ware, 301 West G St., San Diego and 4807 No. 29th Place, Phoenix; Donald S. and Frederick E. Gleason, 931 East 45th St., Seattle 5.

SAFETY ELECTRIC COMPANY, 53 W. Jackson Blvd., Chicago, Ill.—Panama Lamp & Com'l. Co., 815 Howard St., San Francisco; 326 S. San Pedro, Los Angeles; 568 1st Ave. So., Seattle.

SAFETY ELECTRIC EQUIPMENT CO., 2 Linares Ave., San Francisco 22, Calif.

SAFETY LIVE LINE TOOL CO., 1420 6th Ave., Oakland, Calif.—Slaybaugh & Thompson, 100 W. 13th Ave., Denver; A. A. Electric Co., Honolulu, T.H.

SAFE-T-SEAL LABORATORIES, 1534 No. Las Palmas, Los Angeles 28, Calif.

SAFETY SWITCHBOARD CO. INC., 1445 Stevenson St., San Francisco, Calif. (See adv. p. 69.)

ST. LOUIS MALLEABLE CASTING CO., 7701 N. Conduit Ave., St. Louis, Mo.—Lippincott & Co., Inc., in following cities: 1052 W. 6th St., Los Angeles 17; 461 Market St., San Francisco 5; 911 Western Ave., Seattle 4; Maydwell & Hartzell, Inc., in following cities: 427 W. 5th St., Los Angeles 13; 158 11th St., San Francisco 3; 306 Dexter Ave., Seattle 4; 1238 N.W. Glisan St., Portland 9; 814 Paulsen Bldg., Spokane, 6710 N. 15th St., Phoenix.

SALISBURY & CO., W. H., 401 N. Morgan St., Chicago, Ill.—R. E. Cunningham & Son, Edison Bldg., Los Angeles; Graybar Electric Co., Inc., and Line Material Co., all principal cities.

SAMSON UNITED CORP., 1700 University Ave., Rochester, N. Y.—J. W. Marsh Co., 1517 W. Pico Blvd., Los Angeles; The Bennet Co., 837 Howard St., San Francisco; W. W. Wheat & Associates, 560 First Ave. South, Seattle; Peyser & Co., 1501 N. Weber St., Colorado Springs, Colo.; Martin Van Brauman Co., Dallas.

SANGAMO ELECTRIC CO., 1301 No. 11th St., Springfield, Ill.—T. S. Wood, 220 9th Ave., N., Seattle 9; L. A. Nott, 1061 Howard St., San Francisco 3; H. W. Wittenburg, 1206 So. Maple Ave., Los Angeles 15; Mountain States Machinery, 1526 Blake St., Denver 2; Frank Gorman, 1701 Texas St., El Paso; J. E. Redmond, 625 West Madison, Phoenix; Monitor Home Appliances, Inc., 604 Utah Ave., Butte, Mont. (See ad p. 43)

SARGENT & CO., (Schollhorn Div.) 45 Water St., New Haven, Conn.—Robert Trefcer, Western Sales Mgr., 1624 Balboa Way, Raypark, Burlingame, Calif.

SARGENT-RAYMENT CO., 212 9th St., Oakland 7, Calif.—Branch Office: 212 Ninth St., Oakland; Paul Wiley, 1406 So. Grand Ave., Los Angeles; Burt C. Porter Co., 4310 Roosevelt Way, Seattle.

SAUEREISEN CEMENTS CO., 1045 N. Canal St., Pittsburgh 15, Pa.—Montgomery Brothers in following cities: 1122 Howard St., San Francisco; 2113 So. San Pedro St., Los Angeles 11; 911 Western Ave., Seattle; 1104 N.W. 15th St., Portland.

SAVE ELCTRIC CORP., 615 Front Toledo, Ohio—Distributed thru Verd-A-Ray and Penetray Corps.

SAYLOR ELECTRIC PRODUCTS CORP., 1014 Lynn St., Detroit, Mich.—Branch Plant: 1725 Standard Ave., Glendale, Calif. Western representatives: The Frank H. Bran Company (in following cities), 607 East Sixth St., Los Angeles; 444 Brannan St., San Francisco, and 4130 First Ave. So., Seattle; George E. Anderson Co., 1901 Griffin St., Dallas.

SAYLOR & SON, FRANK D., 13095 Greeley, Detroit, Mich.—Allied Industries, 412 Seaton St., Los Angeles; Electrical Industries, 1135 Harrison, San Francisco; E. A. Will, 534 First Ave. South, Seattle 4.

SCHAUER MFG. CORP., 4521 Alpine Ave., Rossmoyne (Cincinnati) Ohio—Barstow & Doran, 1406 S. Grand Ave., Los Angeles; W. H. Connors Co., 1590 Eudora St., Denver; Dean Lewis Associates, 1355 Market St., San Francisco; C. B. Parsons & Co., 119 Belmont Ave., Seattle.

SCHENECTADY VARNISH CO., INC., Congress & 9th Ave., Schenectady, N. Y.—Electrical Specialty Co., in following cities: 316 11th St., San Francisco 3; 418 East 3rd St., Los Angeles 13; 2406 First Ave. South, Seattle 4; 1015 21st St., Denver 2.

SCHICK INC., 45 Garden St., Stamford, Conn.—Branch Offices: 681 Market St., San Francisco; 443 S. Spring St., Los Angeles; Third and Pike Sts., 328 Republic Bldg., Seattle; 625 Broadway, San Diego; 290 Pine Ave., Long Beach; 1419 Broadway, Oakland.

SCHOTT CO., WALTER L., 9356 Santa Monica Blvd., Beverly Hills, Calif.—Charles N. Meyer, 1355 Market St., San Francisco; John B. Tubergen, 2232 W. 11th, Los Angeles; Frank Wedel, 8041 12th, N.E., Seattle; M. F. Klicpera, P. O. Box 3113, Houston.

SCHWAGER-WOOD CORP., 8024 S.W. 35th Ave., Portland, Ore.—Love Electric Co., 732 Pacific Ave., Tacoma 2; K. M. Ryals Co., 461 Market St., San Francisco 5; Slaybaugh-Thompson Co., 100 West 13th Ave., Denver 4; A. B. Smedley, P. O Box 67-C, Pasadena; Clarence W. Silver Co., 550 W. 7th South St., Salt Lake City 4.

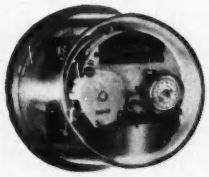
SCOTT & FETZER CO., 1920 W. 114th St., Cleveland 2, Ohio—Kirby Parts Corp., 420 N. Broadway, Portland 12.

SCOTT RADIO LABORATORIES, INC., 4541 Ravenswood Ave., Chicago, Ill.—Paul H. Rice Co., 1355 Market St., San Francisco; George Williams Co., 5600 Tuxedo Terr., Los Angeles.

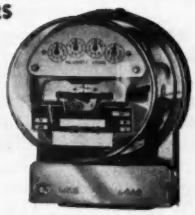
SEALBOL CORP., 45 Willard Ave., Providence 5, R.I.—C. J. Gratiot & Sons, 525 So. Crocker, Los Angeles; 1282 Folsom St., San Francisco.

SANGAMO

TIME SWITCHES



METERS



No Other Commodity is Measured so Accurately as Electric Energy

SANGAMO ELECTRIC COMPANY

SPRINGFIELD, ILLINOIS

For better sales...

FANS

Signal builds streamlined desk and pedestal models, oscillating and non-oscillating; blade sizes range from 10" to 24"

CEILING and WALL FAN

Signal's moderate price puts quiet, efficient ventilation in the reach of every home owner. Featuring cast aluminum construction

VENT and EXHAUST FANS

Signal Exhaust Fans and *Signal's* Challenger Line of Vent Fans have a well established reputation for high performance and low cost in all industrial, commercial and domestic installations

DRILLS

Signal gives you everything you want in a drill—air-cooled . . . grip-fitting handle . . . light weight . . . correct balance . . . dependable power . . . plus many years of trouble-free service

TELEGRAPH INSTRUMENTS

Signal builds telegraph instruments for beginners as well as commercial operators—every type from learner sets to transmitting keys

Specify SIGNAL

Yes, for over half a century, *Signal* has been a familiar name to buyers of electrical equipment who insist on top quality at moderate price. *Signal* serves the West through the following representatives. Wire, phone or write the *Signal* supplier nearest you for FREE literature today!

Los Angeles: Kenneth Anderson Co.—412 Seaton St.—Los Angeles 13, Calif. San Francisco: Keeler, White Co.—615 7th St.—San Francisco 3, Calif. Seattle: Keeler, White Co.—1041 Sixth Avenue So.—Seattle 4, Wash. Spokane: Keeler, White Co.—South 121 Madison St.—Spokane 8, Wash. Portland: Keeler, White Co.—302 N. W. 4th Avenue—Portland 9, Oregon. Denver: Keeler, White Co.—Keith Bldg.—Denver, Colo.

SIGNAL **Signal Electric Manufacturing Company**
DEPT. I MENOMINEE, MICHIGAN

SEBRELL CORP., J. B., 300 So. Los Angeles St., Los Angeles 13, Calif.

SECHRIST MFG. CO., ALBERT, 1717 Logan St., Denver, Colo.—General Electric Supply Corp. all principal cities.

SEELY INSTRUMENT CO., INC., 377 Fourth St., Niagara Falls, N. Y.—Western Control Equip. Co., 2700 W. 3rd St., Los Angeles, and San Francisco.

SEGIL CO., L. J., 2500 W. North Ave., Chicago, Ill.—Frank Steiner, 807 W. 11th St., Los Angeles: Al Slater & Associates, 1412 E. 56th St., Seattle; Milton Levkovitz, 4158 E. Hawthorne, Tucson; Reuben Lagerstrom, 2739 10th Ave., Oakland 6.

SENTINEL RADIO CORP., 2100 Dempster St., Evenston, Ill.—E. J. Jordan, 117 N. Robertson St., Los Angeles; J. J. Backer, 2821 Second Ave., Seattle; William H. Connors, 1590 Eudora St., Denver.

SEPCO CORP., 860 Cross St., Pottstown, Pa.—Paul Porter, 5309 So. District Blvd., Los Angeles 22.

SENTRY CO., THE, 62 Main St., Foxboro, Mass.—E. A. Wilcox Co., 277 Seventh, San Francisco; 406 So. Main, Los Angeles; 417 Arctic Bldg., Seattle; Landes, Zachary & Peterson, 272 S. Santa Fe Dr., Denver and 1003 E. Roma, Albuquerque.

SEQUOIA PROCESS CORP., Redwood City, Calif.—Eichorn & Melchior, 501 Indiana St., San Francisco.

SERV-ALL MFG. CO., 2251 N. Hoyne Ave., Chicago, Ill.—Allen & Dare, 1322 W. 11th St., Los Angeles 15; Pete Bach Electric, 1233 N.W. 12th Ave., Portland 9; Allen B. Carpenter Co., 823 12th St., Denver 4; Edw. C. Beasley & Associates, 1025 2nd Unit Santa Fe Bldg., Dallas 2.

SERVALL CO., 3572 Gratiot Ave., Detroit, Mich.—Electric Appliance Serv. Corp., in following cities: 726 W. Venice Blvd., Los Angeles; 302 17th St., San Diego; 1434 Howard St., San Francisco; Ray Jones Washing Machine Co., 376 Broadway, S., Denver 9; W. L. May Co., Inc., 215 N.W. Park Ave., Portland; Appl. Parts & Service Co., 216 Stewart St., Seattle and West 609 Trent St., Spokane.

SHALDA MFG. CO., INC., 835 S. San Fernando, Burbank, Calif.—L. M. Baxter Co., 926 Natoma St., San Francisco; 1220 S.W. Stark, Portland and 1006 Lowman Bldg., Seattle; Harry Hammond, 4801 W. Amherst, Dallas; H. L. Hackensmith, 1263 So. Boyle, Los Angeles.

SHELDON ELECTRIC CO., Div. of Allied Elec. Prod., 76 Coit St., Irvington 11, N. J.—Branch Office: 1755 Glendale Blvd., Los Angeles; G. D. Norris Co., 3010 First Ave., Seattle; E. L. Berman Co., 1355 Market St., San Francisco.

SHELL OIL CO., INC., San Francisco.

SHEPLER MFG. CO., 1312 Sheffield St., Pittsburgh, Pa.—F. L. Guenther, 1208-10 West, Seattle; E. R. Young, P. O. Box 903, Billings, Mont.; E. H. Rumer, 1037 Second Ave., Salt Lake City; J. D. Sheehan & Associates, Box 1346, Dallas; Kent Eng. Co., P. O. Box 1287, Denver 1.

SHERMAN MFG. CO., H. B., 22 Barney St., Battle Creek, Mich.—Detach & Co., 341 10th St., San Francisco.

SHURITE METERS, 61 Hamilton, New Haven 8, Conn.—James J. Backer Co., 2821 Second Ave., Seattle; James P. Hermans Co., 1234 Folsom St., San Francisco; Howard M. Saul & Associates, 5720 Wilshire Blvd., Los Angeles.

SIGNAL ELECTRIC MFG. CO., Broadway, Menominee, Mich.—Kenneth Anderson Co., 412 Seaton St., Los Angeles; Keeler, White Co., in following cities: 615 7th St., San Francisco; 1041 6th Ave. S., Seattle; 422 N.W. 4th Ave., Portland; S. 121 Madison St., Spokane; Keith Bldg., Denver. (See adv., p. 44.)

SIGNAL ENG. & MFG. CO., 154 W. 14th St., New York City—H. H. Van Luven Co., 807 E. 3rd St., Los Angeles 13; W. J. Mountford, 747 Electric Bldg., Houston; Albert S. Knight, 3006 Western Ave., Seattle; W. N. Wright, Dallas; Richards-Conant, Cooper Bldg., Denver.

SIGNAL INDICATOR CORP., 16 East 20th St., New York City—Harry A. Lasure Co., 2216 West 11th St., Los Angeles; George D. Norris Co., 3010 First Ave., Seattle; Berthold Sales Co., P. O. Box 1052, Dallas.

SILENT HOIST & CRANE CO., 853 63rd St., Brooklyn 20, N. Y.—Branch Office: 3008 E. Olympic, Los Angeles.

SILENT SIOUX CORP., 208 W. College Ave., Orange City, Iowa.—Earl E. Eckstrom & Associates, 2601 Second Ave., Seattle.

SILEX CO., THE, 80 Pliny St., Hartford, Conn.—Branch Office: Frank Molina, 2009 E. 25th St., Los Angeles 21; A. L. Anderson, 2058 17th Ave., San Francisco; Lowell O'Connor, 7225 Northeast Prescott, Portland 13; Medill Sales Co., 802 12th St., Denver; (Restaurant Equip.) Seymour H. Kadin, 950 So. Flower St., Los Angeles.

SILVRAY LIGHTING, INC., 1270 Sixth Ave., New York City—B. T. Heinz, Dexter Horton Bldg., Seattle 4; C. T. Bakeman, 752 Natoma St., San Francisco; H. X. Sheeter, 406 S. Main St., Los Angeles 13. Graybar Elec. Co., all branches.

SIMONDS MACHINE CO., INC. 246 Worcester St., Southbridge, Mass.—M. A. Stolaroff, 4135 Degnan Blvd., Los Angeles 8.

SIMPLET ELECTRIC CO., 1600 W. Potomac Ave., Chicago, Ill.—Fred D. Benz Co., 444 Brannan St., San Francisco; W. A. McGuire, 923 E. 3rd St., Los Angeles; Fred E. Staible & Sons, 2046 Arapahoe St., Denver; F. C. Henkel, 317 Builders Exchange, Portland.

SIMPLEX MFG. CO., Franklin & Merritt Sts., Auburn, N. Y.—Nibley & Walk, 465 California St., San Francisco.

SIMPLEX TIME RECORDER CO., 26 S. Lincoln, Gardner, Mass.—Branch Offices: 933 W. Second St., Los Angeles; 47 Second St., San Francisco; 1418 N. Larrabee, Portland; 906 Third Ave., Seattle; 340 W. Washington St., Phoenix; 43 W. Broadway, Salt Lake City; 1817 California St., Denver; 714 Idaho St., Boise.

SIMPLEX WIRE & CABLE CO., 79 Sidney St., Cambridge 39, Mass.—Branch Offices: Simplex Wire & Cable Co. of Calif., Garnett-Young & Co. Managers in following cities: 910 East Third St., Los Angeles 13; 390 Fourth St., San Francisco 7; 503 Polson Bldg., Seattle 4; Krippner & Polley, 1166 Elati St., Denver 4; Conely Eng. Co., 165 S. 1st West St., Salt Lake City 1.

SIMPSON ELECTRIC CO., 5200 W. Kinzie St., Chicago 44, Ill.—R. G. Bowen, 1896 S. Humboldt St., Denver 10; D. H. Burcham, 917 S.W. Oak, Portland 5; C. R. Lynch, 210 W. 7th St., Los Angeles 14; W. J. Purdy, 420 Market St., San Francisco.

SISSELL CO., INC., LLOYD L., 4326 E. 3rd St., Los Angeles 22, Calif.

SKILSAW, INC., 5033 Elston, Chicago 30, Ill.—Branch Offices: 2730 S. Broadway, Los Angeles; 285 S. Van Ness Ave., San Francisco; 818 John St., Seattle; 524 N.W. 6th Ave., Portland; N. 2226 Division St., Spokane.

SLADE MFG. CO., 140 Roseville Ave., Newark, N. J.—Panama Lamp & Com'l Co., 815 Howard St., San Francisco; 326 S. San Pedro, Los Angeles, 568 1st Ave. S., Seattle.

SLATER ELECTRIC & MFG. CO., INC., 56th St. and 37th Ave., Woodside, N. Y.—J. C. Richards, 433 Colyton St., Los Angeles 13; Bruce-Emmett Co., 830 S.E. Alder, Portland 14; Olson Robertson Co., 2104 Irving Blvd., Dallas.

SMITH CO., S. MORGAN, 500 Lincoln St., York, Pa.—District Office: Ross L. Mahon, Mgr., 1st National Bank Bldg., San Francisco 4. Agents: E. A. Finkbeiner, 609 Lewis Bldg., Portland 4; Wm. N. Grooms, 630 Dooly Block, Salt Lake City 1; E. N. Hallgren Co., 1252 First Ave. South, Seattle 4; Water Works Supply, 448 S. Hill St., Los Angeles 13, and 681 Market St., San Francisco; Dana E. Kepner, 1921 Blake St., Denver.

SMITH, A. O., 3533 N. 27th St., Milwaukee, Wis.—Branch Office: 5715 Smithway, Los Angeles; 155 Sansome St., San Francisco; White Bldg., Seattle.

SMITHCRAFT LIGHTING DIVISION, Chelsea 50, Mass.—Fred D. Benz Co., 444 Brannan St., San Francisco; Wm. Benndorf, 401 W. Jackson Ave., Phoenix; Bracken Sales Agency, 923 E. 3rd St., Los Angeles; J. R. Penning, 2323 Second Ave., Seattle; D. A. Steinkamp, 936 St. Paul, Denver 6; Walter Daugherity, Jr., P.O. Box 3033-A Sta. A, El Paso.

SMOOT-HOLMAN CO., 321 N. Eucalyptus, Inglewood, Calif.—Branch Offices: C. E. Smoot, Jr., 55 Mississippi St., San Francisco; Peter Smoot, 4215 Graustark, Houston. Agents: Fred Zaugg, 907 N.W. Irving St., Portland; J. R. Christensen, 247 E. 5th South St., Salt Lake City 3; F. C. Scharr, 441 Dexter Horton Bldg., Seattle; Gordon Laursen, 512 W. Granite Ave., Albuquerque.

SOAPSTONE DUCT CO., 110 Linfield Drive, Menlo Park, Calif.—Maydwell & Hartzell, Inc., 158 Eleventh St., San Francisco 3; 427 W. Fifth St., Los Angeles 13; 1238 N.W. Glisan St., Portland 9; 306 Dexter Ave., Seattle 4; 814 Paulsen Bldg., Spokane 8 and 6710 N. Fifteenth St., Phoenix. (See adv., page 58.)

SOLA ELECTRIC CO., 4633 W. 16th St., Chicago 50, Ill.—Edward S. Sievers, 5171 Hollywood Blvd., Los Angeles 37; Joseph M. Smith, 3625 S. Grand Ave., Los Angeles; Northwestern Agencies, 4130 1st Ave. S., Seattle 4; Slaybaugh & Thompson, 100 W. 13th St., Denver; James B. Stuart, 4401 Caruth St., Dallas.

SOLAR ELECTRIC CORP., 121 Central Ave., Warren, Pa.—McMillen-Stanley Co., 778 Natoma St., San Francisco; D. C. Smith, 4627 Natalie Dr., San Diego; Ed Warburg Co., 1207 E. 8th St., Los Angeles; F. L. Guenther, 2216 1st Ave., Seattle; A. J. Eggren & Sons Co., 428 S.W. Temple, Salt Lake City; Sam W. Folsom, 1102 N. Windomere, Dallas.

SON-CHIEF ELECTRIC INC., 41 Meadow St., Winsted, Conn.—Jack Firestone, 6361 W. 5th, Los Angeles; Sam Maizels, Terminal Sales Bldg., Seattle.

ELECTRICAL MEN IN THE WEST KNOW

that their best and most convenient source for information on electrical equipment manufacturers is the MANUFACTURERS DIRECTORY edition of ELECTRICAL WEST.

This handy guide to Western States outlets and service facilities contains:

1 DIRECTORY OF MANUFACTURERS listing manufacturers of electrical equipment and supplies, and their principal agents in this area.

2 WHERE-TO-BUY IN THE WEST, listing products alphabetically and who sell them in the West.

3 DIRECTORY OF APPLIANCE SERVICE AND REPAIR STATIONS.

4 DIRECTORY OF MANUFACTURERS' AGENTS handling electrical lines.

This Directory is your best and most convenient source for information on electrical products in the West.

20th EDITION—APRIL 1952

Published annually as a supplement to the April issue by

ELECTRICAL WEST

68 POST ST. SAN FRANCISCO 4, CALIF.

SORGEL ELECTRIC CO., 838 W. National Ave., Milwaukee, Wis.—Fred Carlson, 2307 5th Ave., Seattle; J. E. Edstrom, 519 N.W. Park Ave., Portland; Floyd H. Boyer, P.O. Box 1751, Denver; Glidden Eng. & Equip. Co., 3802 Winchester St., Houston, and 2523 McKinney, Dallas; H. D. Easterbrook, 1264 S. Boyle Ave., Los Angeles; Campbell & George Co., 379 Brannan St., San Francisco.

SORENSON & CO., INC., Fairfield Ave., Stamford, Conn.—Neely Enterprises, 7422 Melrose Ave., Los Angeles and 2830 Geary Blvd., San Francisco.

SOUTHERN CROSS MFG. CORP., 1205 Connecticut Ave., Washington, D.C.—Charles L. Plato, 708 Garland Dr., Palo Alto, Calif; Ralph S. Altmanns, 1238 N.W. Glisan St., Portland; Marcus W. Beach, 6474 Bordeaux, Dallas.

SOUTHERN STATES EQUIPMENT CORP., Hampton, Georgia—Joseph C. Platt, 2213 Fourth Ave., Seattle; H. Lee Rawlings, 236 S. 4th West St., Salt Lake City; B. A. Franklin, 1219 California St., Denver; A. W. Graham, P.O. Box 69, Clovis, N. Mex.; Pacific Electro Sales, Inc., 144 Townsend St., San Francisco; Raymond D. Andrews, 5603 N. Figueroa St., Los Angeles.

SOUTHWEST MACHINE PLASTIC CO., 5419 McKinley Ave., Los Angeles 11, Calif.—W. D. Howze & Co., 5603 N. Figueroa, Los Angeles.

SPANG-CHALFANT DIV. NATIONAL SUPPLY CO., Grant Bldg, Pittsburgh, Pa. — J. C. Bird, 614 New World Life Bldg., Seattle; Murphy-Hain Co., 720 East 2nd St., Los Angeles; Arthur E. Rowe, 660 Mission St., San Francisco. (See adv., p. 47.)

SPAULDING FIBRE CO., INC., 310 Wheeler St., Tonawanda, N. Y.—C. D. LaMoree (Distributor) 1325 San Julian St., Los Angeles 15; 2221 Fourth St., Berkeley 2; 317 N. W. Broadway, Portland 9, and 166 Jackson St., Seattle 1.

SPECIALTY BATTERY CO., 212 E. Washington Ave., Madison, Wis.—Lee H. Owens Co., 2331 W. Washington Blvd., Los Angeles 18; Logan Sales, 530 Gough St., San Francisco; David M. Lee Co., 819 Thomas St., Seattle 9; J. V. Belusko, 2712 N. W. Raleigh, Portland 10; The Branum Co., 505 No. Ervay St., Dallas 1.

SPECIALTY DEVICE CO., 1940 River Road, Cincinnati 4, Ohio—George E. Honn Co., 420 Market St., San Francisco; Earl S. Condon Co., 1151 So. Broadway, Los Angeles.

SPEED QUEEN CORP., Ripon, Wisconsin—E. F. Chemnitz Co., 1355 Market St., San Francisco 3; J. R. Brem, 1148 So. Grand Ave., Los Angeles 15; E. E. Eckstrom & Associates, 2601 Second Ave., Seattle 1.

SPEEDWAY MFG. CO., 1834 So. 52nd Ave., Cicero, Ill.—James J. Backer Co., 2321 Second Ave., Seattle; Denham Sales Service, 538 Polk St., San Francisco; Porter Littell Sales Co., 150 West 12th Ave., Denver; Fred G. Littlejohn, 2363 E. 38th St., Los Angeles.

SPENCE ENGINEERING CO., INC., 29-41 Grant St., Walden, N. Y.—Karl H. Norby, 844 Skinner Bldg., Seattle 1; Harold W. McKenzie, 317 Builders Exchange Bldg., Portland 4; Hickman Eng. Co., 420 Market St., San Francisco 11; Guy L. Warden & Sons, 209 West 12th St., Los Angeles 15; Pace-Turpin & Co., 726 So. 3rd St., Salt Lake City; Boyd Eng. Co. Inc., 718 N. Stanton St., El Paso; Peerless Bros. Agencies, Ltd., 2671 Main St., Vancouver, B.C.

SPENCER THERMOSTAT CO., 34 Forest St., Attleboro, Mass.—F. H. Appleton, P.O. Box 38, Altadena, Calif.

SPENCER TURBINE CO., 456 New Park Ave., Hartford 7, Conn.—Branch Office: 656 So. Los Angeles St., Los Angeles; Scott Equipment Co., 55 Brady St., San Francisco.

SPERO ELECTRIC CORP., 18222 Lanken Ave., Cleveland 8, Ohio—Hockensmith Sales, 1262 So. Boyle Ave., Los Angeles; Pete Bach, 1233 N. W. 12th Ave., Portland.

SPERTI-FARADAY, INC., 1322 Church St., Adrian, Mich.—Wm. Benndorf, 70 Windsor Ave. W., Phoenix; Gaer, Florance & Associates, 2052 Humboldt St., Denver; Charles A. Meier Co., 1473 Harrison, San Francisco; Leonard Slusser, 318 Dooly Bldg., Salt Lake City 1; W. W. Wheat & Son, 560 First Ave., So., Seattle 4; Robert M. Schow, 1709 W. 8th St., Los Angeles 17. (See adv., page 63.)

SPRAGUE ELECTRIC CO., North Adams, Mass.—Sprague Elec. Co., 175 So. Alvarado St., Los Angeles; Wm. J. Purdy, 420 Market St., San Francisco; Dale Weber, 234 Sherlock Bldg., Portland.

SQUARE D COMPANY, Western Division, 4135 Valley Blvd., Los Angeles 32, Calif.—Branch Offices and *also Factories, 1409 Dearborn, *Seattle 44, Spokane, Portland, San Diego, 211 Industrial St., *San Francisco, 24, Sacramento. Agents: Stevens Sales Co., 41 P. O. Place, Salt Lake City; Sun Valley Elec. Mfg. Co., 710 West Colfax, Denver and 106 E. Buchanan, Phoenix; Electrical Equip. Co., 561 Divisadero, Fresno, Calif.

STACKPOLE CARBON CO., Tannery St., St. Marys, Pa.—Branch Offices: Pacific Coast Manager, H. S. Wegemer, 2117 Poppy Dr., Burlingame, Calif.; G. H. Peppler, Mgr., 489 22nd St., Santa Monica, Calif.

STAHL METAL PRODUCTS, INC., 3490 W. 140th St., Cleveland 11, Ohio.—Lambert Ltd., 1202 E. Olympic Blvd., Los Angeles; Wentworth & Irwin, Inc., 123 N.E. Oregon St., Portland 14; M. and F. Equipment Co., 2521 Isleta Highway, Albuquerque.

STANDARD ELECTRIC TIME CO., THE, 89 Logan St., Springfield, Mass.—Branch Offices: 16 Beale St., San Francisco; 106 W. 3rd St., Los Angeles; New World Life Bldg., Seattle; 264 E. 1st South St., Salt Lake City; 1925 Blake St., Denver.

STANDARD OIL CO. OF CALIF., 200 Bush St., San Francisco, Calif.—Sales Offices: Oakland, Los Angeles, Long Beach, San Diego, Bakersfield, Sacramento, Fresno, Phoenix, Portland, Salt Lake City, Spokane and Seattle.

STANDARD TRANSFORMER CO., 3580 Elston Ave., Chicago 18, Ill.—W. Bert Knight Co., 10307 W. Pico Blvd., Los Angeles 64; The Russ Hines Co., 228 9th St., San Francisco 3; Ronald G. Bowen, 852 Broadway, Denver 3; Don H. Burcham Co., 917 S. W. Oak St., Portland 5, and 1327 Norcross Way, Seattle.

STAR EXPANSION BOLT CO., 147 Cedar St., New York City—E. B. Sutton Co., in following cities: 524 E. Fourth St., Los Angeles 13; 121 Second St., San Francisco 5; 558 First Ave. So., Seattle 4.

STAR MFG. CO., 6300 St. Louis Ave., St. Louis, Mo.—James Anderson, 459 Nevada St., San Francisco.

THE STATES COMPANY, 19 New Park Ave., Hartford, Conn.—Western representatives: George E. Honn Co., 420 Market St., San Francisco; Arthur E. Booth Co., 4124 Beverly Blvd., Los Angeles 4; G. L. Hoffman, 3007 S.W. Nebraska St., Portland 19; Mountain States Machinery Co., 1526 Blake St., Denver; Conely Engineering Co., 165 So. 1st West St., Salt Lake City; J. E. Redmond Co., 625 W. Madison St., Phoenix; F. W. Gorman, P. O. Box 223, El Paso; W. C. Fowler, 2424 Colonial Parkway, Fort Worth.

STA TITE MFG. CO., 1016 Central, Kansas City, Mo.—W. W. Wheat & Sons, 560 1st Ave. So., Seattle; James C. Pope, Jr., 1421 So. Flower, Los Angeles.

STEBER MFG. CO., 2700 Roosevelt Road, Broadview, Ill.—Hodges & Glomb, 1264 Folsom St., San Francisco 3; Murphy-Hain Co., 720 E. Second St., Los Angeles 12; Northwestern Agencies, 4130 First Ave., South, Seattle 4; Allen B. Carpenter Co., 820 Twelfth St., Denver 4; Jack Morgan Co., 335 Cole St., Ave., Dallas 2.

STEEL CITY ELECTRIC CO., 1207 Columbus Ave., Pittsburgh, Pa.—Geo. E. Anderson Co., 1903 Griffin St., Dallas 2; Garnett Young & Co. (Hawaiian representative), 390 Fourth St., San Francisco 7; Hodges & Glomb, 1264 Folsom St., San Francisco 3; Murphy-Hain Co., 720 E. 2nd St., Los Angeles 12; Northwestern Agencies, 4130 First Ave., South, Seattle 4; Fred E. Staible & Sons, 2046 Arapahoe St., Denver 2; Elec'l. Eng. & Sales, Box 3143, El Paso.

STEEL CO., HERMAN D., Lafayette Bldg., Philadelphia 6, Pa.—George L. Hoffman, 3007 S. W. Nebraska St., Portland 1; George E. Honn Co., 420 Market St., San Francisco; J. G. Corrin, 600 So. Highland Ave., Los Angeles 36; Len Powell, 2101 Corinth, Dallas; Frank W. Gorman, Box 223, El Paso.

STEELDUCT CO., Republic Bldg., Youngstown, Ohio—Tri-State Supply Corp. in following cities: Tri-State Supply Corp., 544 So. San Pedro St., Los Angeles 13; 554 Bryant St., San Francisco 7; 318 Occidental Ave., Seattle; L. S. Reed & Co., 1018 Lawrence St., Denver 4.

STEEL & TUBES DIV., REPUBLIC STEEL CORP., Cleveland, Ohio—Branch Offices: D. S. Humiston, Branch Mgr., Los Angeles; A. V. Grove, Branch Manager, San Francisco; J. K. Garretson, Branch Manager, Republic Steel Corp. Sales Office, Denver. Agents: C. D. Belt & Co., Denver; Shaffer & Nelson, Portland and Seattle.

STEMM BROS., INC., 14th and Commercial, Leavenworth, Wash., Hundley Co., 3532 Fletcher Dr., Los Angeles 65—Export only; Star Machinery Co., 1741 1st Ave. South, Seattle.

STERLING ELECTRIC MOTORS, INC., 5401 Anaheim-Telegraph Road, Los Angeles 22, Calif.—District Office: San Francisco; John W. Rieker, Mgr., Seattle; C. C. Conley, Mgr., Portland. Sold through leading distributors all principal cities.

STERLING SIREN FIRE ALARM CO., 56 Allen St., Rochester, N. Y.—H. H. Van Luven Co., 207 E. 3rd St., Los Angeles.

STERLING VARNISH CO., Haysville Borough, Sewickley, Pa.—Western Fiberglas Co., 739 Bryant St., San Francisco 7 and 937 S. Grand Ave., Los Angeles 15.

STERN-BROWN, INC., 42-24 Orchard St., Long Island City, New York—Branch Office: Meyer J. Hackman, 6557 W. Colgate Ave., Los Angeles; Wm. P. Horn Co., 1355 Market St., San Francisco, and 821 N.W. Flanders St., Portland.

STEVENS MFG. CO., INC., 69 So. Walnut St., Mansfield, Ohio.—G. B. Miller, P.O. Box 1471, Hollywood 28; John Green Co., 6815 Oriole Dr., Dallas 9.

STEWART-WARNER ELECTRIC, 1300 N. Kostner Ave., Chicago 51, Ill.—Keyco Distributors, Inc., 512 Second St., San Francisco; Harry L. Shane, Inc., 160 W. 33rd St., Los Angeles 7; Pacific Stationery, 415 S.W. Second Ave., Portland 4; Stusser Elec., 2246 First Ave. So., Seattle 4; True's Dist. Co., 521 E. Sprague, Spokane; ZCMI Distributors, 1665 Bennett Rd., Salt Lake City; Electric Supply, P.O. Box 1353, Albuqueque.

STICHT CO., INC., HERMAN H., 27 Park Place, New York City—Test Instruments Unlimited, 331 S. E. 62nd Ave., Portland 16; T. R. Routh Co., 742 Market St., San Francisco 2; L. W. Thompson, 232 So. Hill St., Los Angeles 12.

STOCKWELL TRANSFORMER CORP. OF OHIO, 884 W. Waterloo Rd., Akron, Ohio—Central Station Eng. Co., 2323 Aviation Highway, Tucson; C. A. D. Young, 726 Colorado Bldg., Denver 2; Bracken Sales Agency, 923 E. Third St., Los Angeles; L. M. Baxter Co., 1220 S.W. Stark St., Portland; 1006 Lowman Bldg., Seattle, and 926 Natoma St., San Francisco.

STONCO ELECTRIC PRODUCTS CO., 489 Henry St., Elizabeth, N. J.—The McLoughlin Co., 811 E. 14th Pl., Los Angeles; Bruce-Emmett Co., 830 S. E. Alder, Portland; 2726 First Ave. So., Seattle and 1630 Sherman Ave., Salt Lake City.

STRAIT & RICHARDS, INC., 23-43 Selvage St., Newark 8, N.Y.—Sold direct to dealers, jobbers.

STROMBERG-CARLSON CO., 100 Carlson Road, Rochester, N. Y.—Frank Edwards Co., 382 6th St., San Francisco; Radio Tel. Supply Co., Inc., 341 W. 18th St., Los Angeles 15; Stubbs Electric Co., 33 N. W. Park Ave., Portland 9; Northwest Appl. Distributors, 3433 Airport Way at Spokane St., Seattle; Spokane Paper & Stationery Co., 152 So. Jefferson St., Spokane 8; Standard Supply Co., 531 So. State St., Salt Lake City.

STROMBERG TIME CORP., 109 Lafayette, New York 13, N.Y.—D. J. Burton, 2146 W. Washington Blvd., Los Angeles 18; R. E. Peters Co., 420 Market St., San Francisco 11, Ficher & Co., 263 Colman Bldg., Seattle 4; Krippner & Polley, 1166 Elati St., Denver 4; Geo. W. Goddard Co., 24th St., and Wall Ave., Ogden.

STRUTHERS-DUNN, INC., 150 N. 13th St., Philadelphia, Pa.—Eicher & Co., 263 Colman Bldg., Seattle 4; Edward S. Sievers, 5171 Hollywood Blvd., Los Angeles 27 and 926 Natoma St., San Francisco; J. Y. Schoonmaker, 2011 Cedar Springs; Dallas 1; Eichorn & Melchior, 501 Indiana St., San Francisco.

SUFLEX CORP., 33-40 57th St., Woodside 77, New York—Tri-State Supply Corp., 544 S. San Pedro St., Los Angeles; 554 Bryant St., San Francisco and 318 Occidental Ave., Seattle.

SULTAN ELECTRIC CO., 747 So. San Pedro, Los Angeles, Calif.—Panama Lamp & Commercial Co., 815 Howard St., San Francisco.

the Accent's on

QUALITY

...so Lever Brothers selected quality-controlled

SPANG CENTRAL CONDUIT

to protect electrical lifelines

In the most modern soap and shortening plant in the world—recently dedicated in Los Angeles County—the emphasis is on product quality, as in all Lever Brothers Company factories.

Every part, every machine, was selected with the greatest care to eliminate interruptions that might affect the exact, careful blending of raw materials. Electrical lifelines, for instance, are safeguarded by Spang "Cenlaco" Conduit—the conduit that's quality-controlled so it is always uniform in every way, always free from defects.

Wherever reliability is a must—easier, faster installation important—outstanding architects, contractors and owners specify conduit by Spang. Approved by the National Board of Fire Underwriters and complying with the National Electrical Code, it's *made better* for *better protection* of electrical circuits.

Owner:
Lever Brothers Company
Designers and Builders:
The Bechtel Corporation
Electrical Engineering:
The Bechtel Corporation
Consultant Architect:
Welton Becket and Associates

SPANG-CHALFANT
Division of The National Supply Company
GENERAL SALES OFFICE:
GRANT BUILDING, PITTSBURGH 30, PA.
District Offices and Sales Representatives in Principal Cities

SUNBEAM CORPORATION, 5600 W. Roosevelt Rd., Chicago 50, Ill.—Branch Offices: Charles L. Moore, Western Sales Mgr., 737 South Hope St., Los Angeles; Mark Austin, 46-50 West 4th South St., Salt Lake City. Representatives: John Sandoval, 504 6th St., Hayward, Calif.; John F. Ryan and M. E. Stocks, 737 So. Hope St., Los Angeles; Karl Koch, Jr., 2134 S. W. Edgewood Rd., Portland; Donald F. Roche, 718 Central Ave., Billings; Thomas Oughton, 1400 Hubbell Place, Seattle 1.

SUNBEAM LIGHTING CO., 777 E. 14th Place, Los Angeles, Calif.—L. M. Baxter Co., 925 Natoma St., San Francisco; 1220 S.W. Stark St., Portland and 1008 Lowman Bldg., Seattle; McGillan Sales Co., Albuquerque; The Darger Co., 528 W. 2nd So. St., Salt Lake City; Herb Traweek, 5322 Cedar Springs Ave., Dallas.

SUNROC CO., Glen Riddle, Pa.—Branch Office: Western Division, P.O. Box 12456, Los Angeles 64. Sold through leading distributors.

SUPERIOR CARBON PRODUCTS, INC., 9115 George Ave., Cleveland, Ohio—Refrigeration Serv-Angeles 4; Nye Auto Elec. Co., Broadway at 7th, Baker, Ore.; Armature Shop, 46 E. 4th St., Salt Lake City.

SUPERIOR ELECTRIC CO., 83 Laurel, Bristol, Conn.—Fred W. Carlson, 2307 5th Ave., Seattle 1; J. E. Edstrom, 519 N. W. Park Ave., Portland 9; J. C. Van Groos, 1436 No. Serrano Ave., Hollywood; Paul Williams, 341 Hazelwood, San Francisco 12.

SUPERIOR ELECTRIC PRODUCTS CORP., 1507 Independence St., Cape Girardeau, Mo. —Edward J. Lackner, 680 Bellaire, Denver; Bart-Kinnison Co., 1355 Market St., San Francisco and 821 N. W. Flanders St., Portland; David Gladstone, 416 W. Olympic St., Los Angeles; J. V. Folsom Co., 301 No. Market, Dallas.

SUPERIOR FUSE & MFG. CO., INC., 221 Hudson St., Hoboken, N. J.—Frank H. Bran Co., 607 E. 6th St., Los Angeles and 444 Brannan St., San Francisco.

SUPERIOR INSULATING TAPE CO., 3109 Lambkin Ave., St. Louis 15, Mo.—Keeler, White Co., 615 7th St., San Francisco 3; 456 Colyton St., Los Angeles 13; 1041 Sixth Ave. So., Seattle 4; 422 N.W. 4th Ave., Portland 9; and 204 Keith Bldg., Denver 2; E. T. Vonier, 1160 Elati St., Denver; Peabody Bros., 3015 Taylor St., Dallas and M & M Bldg., Houston 2.

SUPERIOR PORCELAIN CO., 931½ Market St., Parkersburg, West Va.—Eckert-Lloyd Co., 2115 So. San Pedro, Los Angeles; Albert S. Knight Co., 3010 Western Ave., Seattle; Thomas D. Noble Co., 210 12th St., San Francisco.

SUPERIOR SWITCHBOARD & DEVICES CO., 410 Schroyer S. W., Canton, Ohio—T. S. Wood, 220 9th Ave. N., Seattle; Pacific Union Metal Co., 3248 Long Beach Ave., Los Angeles; L. A. Nott, 1061 Howard St., San Francisco.

SUPREME ELECTRIC PRODUCTS CO., 194 Vassar St., Rochester 7, N. Y.—A. C. Patterson, P.O. Box 281, Torrance, Calif.

SUPREME LIGHTING CO., 1630 S. Essex, Los Angeles, Calif.—Panama Lamp & Com'l Co., 815 Howard, San Francisco; 326 S. San Pedro, Los Angeles; 568 1st Ave. S., Seattle.

SURETY RUBBER CO., Carrollton, Ohio—Branch Office: H. A. MacIntash, 544 Market St., San Francisco; Ken Best, 541 1st Ave., Seattle.

SUTTON CORP., THE O. A., 1812 W. Second St., Wichita, Kansas —Northwestern Auto Supply Co., 424 No. Broadway, Billings; Momsen Dunnegan Ryan Co., Albuquerque, El Paso and Phoenix; Sues, Young & Brown, Inc., 3636 So. Bronson Ave., Los Angeles; Leo J. Meyberg Co., 33 Gough St., San Francisco; Inland Empire Wholesalers, 110 So. Wall St., Spokane.

SWARTZBAUGH MFG. CO. (See Tropic-Aire, Inc.)

SWARTWOUT CO., 18511 Euclid Ave., Cleveland, Ohio—DePartee Co., 1250 1st Ave. So., Seattle 4; McCraken-Ripley Co., 2221 N. Albina St., Portland; John L. Harvey Co., 310 Radio Central Bldg., Spokane; Gil Moore & Co., 714 W. Olympic Blvd., Los Angeles 31; A. C. LoPrest Co., 551 Minna St., San Francisco 3; Albuquerque Eng. Co., 2722 Hyder Dr., Albuquerque; Williams, Gritton & Wilde, 204 Dooly Bldg., Salt Lake City; Ed. F. Giles Co., 1436 E. 8th Ave., Denver.

SWIVELIER CO., INC., 30 Irving Place, New York City—Keebler & Parrish, 1341 So. Hope St., Los Angeles; George E. Anderson Co., 1901 Griffin St., Dallas; Northwestern Agencies, 4130 First Ave., So., Seattle; Kenneth Schumann, 814 12th St., Denver 4; H. B. Squires Co., 156 Eighth St., San Francisco.

SYLVANIA ELECTRIC PRODUCTS, 1740 Broadway, New York City—Branch Offices: Garlan Morse, Director Pac. Coast Sales, 111 Sutter St., San Francisco. Lighting Div.: C. I. Brady, Ltg. Div. Sales Mgr., 2936 E. 46th St., Los Angeles; R. C. Harper, SF Ltg. Div. Sales Mgr., 6450 Hollis St., Emeryville, Calif; C. A. Dickinson, Ltg. Div. Sales Mgr., White Henry Stuart Bldg., Seattle. Tubes Div.: W. G. Patterson, Pac. Coast Regional Mgr., 2936 E. 46th St., Los Angeles; E. A. Larson, Sales Rep., 6450 Hollis St., Emeryville; Ray Guion, Dist. Mgr., White Henry Stuart Bldg., Seattle. Equipment Tubes: R. E. Gilbert, Jr., Div. Mgr., 2936 E. 46th St., Los Angeles. Photographic Div.: Don M. Paul, West Coast Sales Mgr., 2936 E. 46th St., Los Angeles; Howard Luray, Sales Rep., 6450 Hallis St., Emeryville; Television & Radio Sets: District Mgr., Michael R. Maier, 111 Sutter St., San Francisco, R. B. Huey, Dist. Sales Mgr., 2936 E. 46th St., Los Angeles.

SYNTRON CO., Homer City, Pa.—Branch Offices: 8413 State St., South Gate, Calif.; 960 Folsom St., San Francisco 7; 2310 N.E. Stanton St., Portland; 15223 8th Ave., S., Seattle 88, 713 Kensington Ave., Salt Lake City 5; 1166 Elati St., Denver 4; 2144 N. Campbell Ave., Tucson.

TACA CABLE STRIPPER MFG. CO., 1313 N. Mission Road, Los Angeles, Calif.—James J. Backer Co., 2321 Second Ave., Seattle 1; W. V. Brainard, 721 Clementina St., San Francisco; Graybar Electric Co., Inc., all branches.

TAKK CORPORATION, 26 W. Market St., Newark, Ohio—Ed Ottsman & Sons, 536 Sansome St., San Francisco; E. G. Paules, 1762 W. Vernon Ave., Los Angeles.

TAL BENDER, INC., 417 N. Water St., Milwaukee, Wis.—Northwestern Agencies, Inc., 4130 First Ave. S., Seattle 4; Crane Co., 301 Brannan St., San Francisco, and 321 E. 3rd St., Los Angeles; Tay-Holbrook, Inc., 165 8th St., San Francisco; Howard Supply Co., 5123 Santa Fe Ave., Los Angeles; Fornaciari Co., 821 S. Santa Fe, Los Angeles; Graybar Electric Co., San Francisco and Oakland; General Elec. Supply Corp., Salt Lake City, Butte and Boise; Hendrie & Bolthoff Co., 1635 17th Ave., Denver; Montague-Harris & Co., 1075 Folsom St., San Francisco.

TAR HEEL MICA CO., Plumtree, N. C.—Electrical Specialty Co., 316 Eleventh St., San Francisco; 1015 21st St., Denver 2; 418 E. 3rd St., Los Angeles 13 and 2406 First Ave. So., Seattle 4.

TAYLOR FIBRE CO., Norristown, Penna.—Branch office: La Verne, Calif., Mr. E. B. Howard, Mgr.

TAYLOR-WINFIELD CORP., Mahoning, N.W., Warren, Ohio—Denton & Anderson, 1106 Fair Oaks, S. Pasadena, Calif.; Industrial Specialties, 940 S.E. 7th Ave., Portland; Denton & Anderson, 711 Construction Bldg., Dallas; Dawson Mach. Co., 5700 First Ave. S., Seattle; Johnson Supply Co., 1414 Wazee St., Denver.

TECHNICAL APPLIANCE CORP., 1 Taco Ave., Sherburne, N. Y.—James J. Backer, 2321 2nd Ave., Seattle; Gates Co., 200 S. Main St., Salt Lake City; Lee Owens, 2331 W. Washington Blvd., Los Angeles; David H. Ross Co., 1355 Market St., San Francisco

TECHNICRAFT LABORATORIES, INC., Thomaston-Waterbury Rd., Thomaston, Conn — Carl A. Stone Associates, 1102 S. Western Ave., Los Angeles.

TELECHRON, Dept. of General Elec. Co., Homer Ave., Ashland, Mass.—J. J. Burns, 1355 Market St., San Francisco; J. C. Platt, 2213 Fourth Ave., Seattle; James H. Blinn Co., 1140 Speer Blvd., Denver; W. M. Couzens, 2040 Verdugo Knolls Dr., Glendale, Calif.

TEL-E-LECT PRODUCTS, INC., 10001 Minnetonka Blvd., Minneapolis, Minn. — American Equipment and Body Co., 2315 East Fourth St., Los Angeles 33; Schetky Equipment Corp., 1810 S.E. Tenth Ave., Portland; Truck Equip. Co., 3963 Walnut St., Denver 5.

TELE-TONE RADIO CORP., Bayway Terminal, Elizabeth 2, N. J. —Wood & Cies Dist. Co., 2034 E. 48th St., Los Angeles 58.

TEMPLETON, KENLY & CO., 1020 So. Central Ave., Chicago 44, Ill.—Branch Office, 1635 E. 22nd St., Los Angeles 11, Mr. Wm. S. Pine, Mgr.; Graybar Electric Co. and Westinghouse Electric Supply, all principal cities.

TERMITE DRILLS, INC., 99 N. Lotus Ave., Pasadena, Calif.—Clark & Sawyer, 2012 E. 7th St., Los Angeles 21.

THERMADOR ELECTRICAL MFG. CO., 5119 District Blvd., Los Angeles, Calif.—Branch Offices: Wm. Gribble, 610 16th St., Oakland 12, and John Weber, 2427 42nd North, Seattle 2; E. J. Dold, P. O. Box 735, Dixon, Calif.; W. G. Cline, 812 12th St., Denver 4; Warren Bills, 2599 Wilmington, Salt Lake City; J. E. Redmond Co., P. O. Drawer 865, Phoenix; Tucson Electric Supply, 523 E. 10th St., Tucson; State Elec. Supply, 218 N. 3rd St., Albuquerque; Mechanical Supply Co., Inc., Box 3247, Sta. Q, El Paso; Mt. States Distr. Inc., 622 So. State, Salt Lake City 14.

THERMO-MAT CO., 314 So. Robertson, Los Angeles, Calif.—Sold direct.

THOMAS & BETTS CO., 36 Butler St., Elizabeth N. J.—Branch Office: Karl G. Kempf, Pac. Coast Dist. Mgr., 459 E. Fourth St., Los Angeles 13; E. L. Johnson, 550 Natoma St., San Francisco; Paul A. Douden Co., 1645 Wazee St., Denver 2; Frank A. Strohecker, 301 Eyres Bldg., Seattle 4.

THE R. THOMAS & SONS, CO., Washington St., Lisbon, Ohio—Ken H. Best, 541 1st Ave. So., Seattle; George E. Honn Company, 420 Market St., San Francisco; R. E. Cunningham & Son, 523 W. 6th St., Los Angeles; J. E. Redmond Supply Co., 625 W. Madison St., Phoenix; R. F. Hamilton & Associates, 612 Insurance Bldg., Denver; Butler & Land, Dallas, and Lynn Elliott Co., Houston.

THOMPSON ELECTRIC CO., 1111 Power Ave., Cleveland, Ohio—Ernest F. Hauck Co., 383 Brannan St., San Francisco; A. B. Smedley, 1254 N. Los Robles, Pasadena; Peabody Brothers, 3015 Taylor St., Dallas; 804-A M & M Bldg., Houston; Gaer, Florance & Associates, 2052 Humboldt St., Denver; B. T. Heins Co., Dexter Horton Bldg., Seattle.

THOR CORPORATION, 2115 S. 54th Ave., Chicago 50, Ill.—Branch Office: 1440 W. Olympic Blvd., Los Angeles (Headquarters, Western Div.) Appliance Distributors, 213 S. 11th Ave., Phoenix, Ariz.; Appliance Distributors, 204 S. Park Ave., Tucson, Ariz.; W. H. Bintz Company, P.O. Box 1350, Salt Lake City 11; W. H. Bintz Company, 414 S. Ninth Street, Boise, Idaho; Broili-Parks Company, 2225 19th St., Sacramento 14, Calif.; Jensen-Byrd Company, 314-24 Riverside Ave., P.O. Box 2172, Spokane, Wash.; Kieruiff and Company, 725 "L" St., Fresno 1, Cal.; Kieruiff and Company, 820-30 W. Olympic Blvd., Los Angeles 15, Calif.; W. J. Lancaster Company, 1045 Bryant St., San Francisco 3, Calif.; Lee Distributing Company, 820 West Ash, San Diego 1, Calif.; Parker Montana Company, 511 N. 21st St., P.O. Box 1173, Billings, Montana; Robert L. Rice & Co., 231 E. Burnside St., Portland 14, Oregon; Seattle Hardware Company, 501 First Ave. So., P.O. Box 3208, Seattle 14, Wash.

THOMAS CLOCKS, SETH, 30 Main St., Thomaston, Conn.—Schloss Mfg. Co., 540 Mission St., San Francisco.

THORDARSON MEISSNER MANUFACTURING DIV., Seventh & Belmont, Mt. Carmel, Ill.—R. M. Hardie, 1127 Wilshire Blvd., Los Angeles 14; Clif McLoud, 5522 Colfax Ave. East, Denver 7; Dave Lee, 2626 2nd Ave., Seattle; G. G. Willison, 2030 Harold St., Houston.

THREAD-EZY MFG. CO., 325 N. Shiawasse St., Corunna, Mich.—Any supply house.

TIERNEY ELECTRICAL MFG. CO., 2718 1st Ave. S., Seattle 4, Wash.

TIME-O-MATIC CO., 1106 Bahls St., Danville, Ill.—Northwestern Agencies, Inc., 4130 First Ave. S., Seattle 4; L. A. Nott & Co., 1061 Howard St., San Francisco.

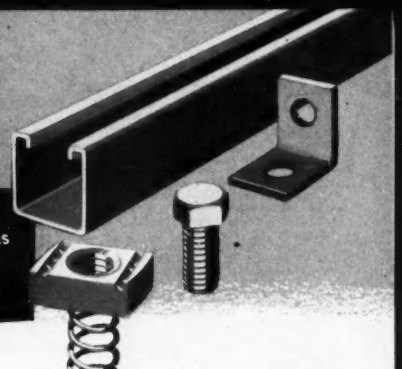
TITAN MFG. CO., INC., 701 Seneca St., Buffalo, N.Y.—Don Sluman & Co., 130 West 12th St., Denver; O. B. Wilt Co., 1355 Market St., San Francisco; James J. Gaisford Co., 416 W. Olympic Blvd., Los Angeles; Earl Eckstrom & Associates, 2601 2nd St., Seattle.

TITCHENER & CO., E. H., 67 Clinton St., Binghamton, N.Y.—Keeler, White Co., 615 7th St., San Francisco; 456 Colyton St., Los Angeles; 322 N.W. Fourth Ave., Portland; 1041 Sixth Ave., So., Seattle and 204 Keith Bldg., Denver.

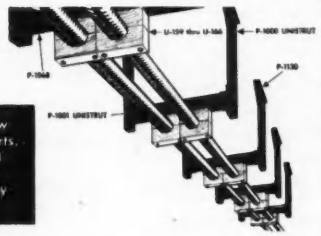
ypical UNISTRUT® framing applications

TO SUPPORT, SUSPEND AND MOUNT ALL KINDS OF ELECTRICAL EQUIPMENT

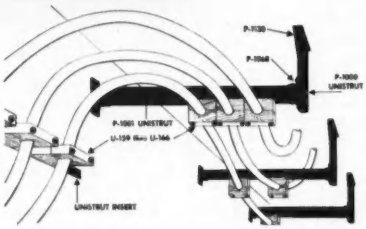
No drilling, no welding, no special tools or equipment —versatile UNISTRUT framing permits adjustments, changes or additions to be made at any time.

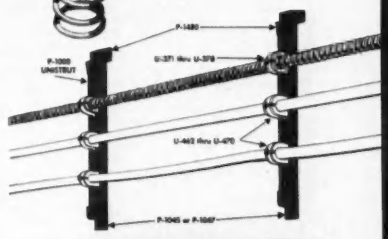


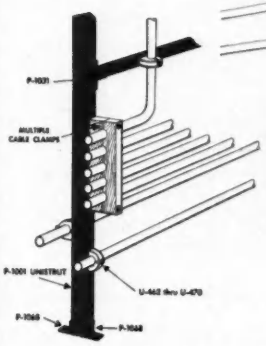
The UNISTRUT method conserves steel, reduces manpower hours, cuts overall costs.



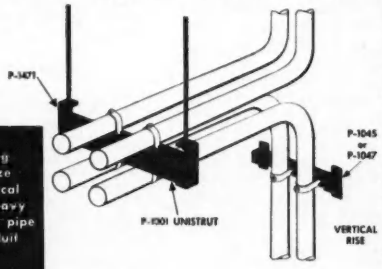
Two examples of how UNISTRUT concrete inserts, channel, fittings and maple insulating clamps support heavy overhead cable.



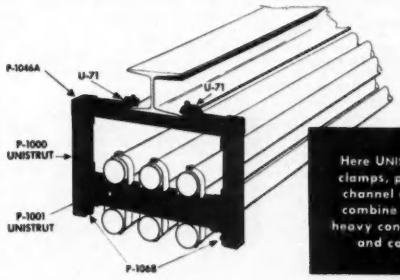




Here maple and porcelain cable clamps insulate conduit in UNISTRUT column-mounted assembly *(at left)* and cable in horizontal wall mounting *(above)*.



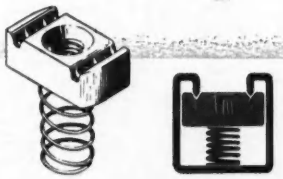
UNISTRUT framing assembly (trapeze hanging and vertical rise) supporting heavy conduit. Note how pipe clamps hold conduit firmly.



Here UNISTRUT beam clamps, pipe clamps, channel and fittings combine to suspend heavy conduit securely and compactly.

***Only* UNISTRUT**

offers this Spring-Held Clamping Nut which ties together both sides of the slotted channel and forms a *Box Section* at points of connection for greater load strength.



Write today for your FREE Copy

of New 78-page Catalog No. 700. Includes above drawings and countless other examples of how to mount, rack, frame, suspend and support all kinds of electrical and mechanical equipment.

UNISTRUT Products are Bonderized

For Defense Production—Every day the value of UNISTRUT products is being proved by their use in Defense Industries and Armed Services installations where flexibility, and assembly and erection speed count most.

UNISTRUT®

The World's Most Flexible All-Purpose Metal Framing

WRITE OR PHONE FOR CATALOG TO NEAREST UNISTRUT REPRESENTATIVE:

LANDES, ZACHARY & PETERSON
272 So. Santa Fe Drive
Denver 9, Colorado
Phone Race 9292

GLENMART COMPANY, INC.
990 S. Fair Oaks Ave.
Pasadena, California
Phone Pyramid 1-1004

LANDES, ZACHARY & PETERSON
302½ W. Central
Albuquerque, N. M.
Phone 9205

SQUIRES & MARSHALL
370 Fourth St.
San Francisco, Calif.
Phone YUkon 6-4882

WILLIAMS, GRITTON & WILDE
204 Dooly Bldg.
Salt Lake City, Utah
Phone 4-6421

UNISTRUT NW SERVICE CO.
2434 First Avenue So.
Seattle 4, Washington
Phone Eliot 3419

UNISTRUT NORTHWEST SERVICE CO.
112 S. W. Pine Street, Portland, Oregon
Phone Atwater 2872

TOASTMASTER PRODUCTS DIV., McGraw Electric Co., Elgin, Ill.—K. E. Campbell, 4226 Noble Ave., Sherman Oaks, Calif.; B. S. Green, 5143 Village Green, Los Angeles 16; E. W. Keyes, 705 Hollywood Way, Burbank, Calif.; W. H. Smith, R.F.D. 1, Box 202-C, Danville, Calif.; W. P. Moore, 6026 44th Ave., N.E., Seattle; R. H. Mohr, 2341 Olive St., Denver.

TOASTWELL CO., 620 Tower Grove Ave., St. Louis, Mo.—D. E. Sanford Co., 12th and Howard Sts., San Francisco 3, and 1049 S. Hill, Los Angeles; Emory Berratt, c/o D. E. Sanford Co., 1981 S. 17th East, Salt Lake City; Harvey Lyman, c/o D. E. Sanford Co., 2521 2nd Ave., Seattle.

TOBE DEUTSCHMANN CORP., Providence Highway, Norwood, Mass.—Douglas H. Loukota Co., 1052 6th St., Los Angeles 17. Distributors: R. V. Weatherford Co., 6921 San Fernando Rd., Glendale 1; Shanks & Wright, 2045 Kettner Blvd., San Diego 1; Kaemper & Barrett, 1550 Mission St., San Francisco and 1940 Ashby Ave., Berkeley 3.

TOLEDO PIPE THREADING MACHINE CO., 1445 Summit St., Toledo, Ohio—C. E. Hartsing, 4291 Leimert Blvd., Los Angeles.

TOLEDO STANDARD COMMUTATOR CO., 1111 Beehler St., Owosso, Mich.—Electrical Specialty Co., in following cities: 418 E. Third St., Los Angeles; 814 11th St., San Francisco; 1015 21st St., Denver; 6625 Canyon Lane, Portland; 2466 First Ave. S., Seattle; J. R. Christiansen, 824 F St., Salt Lake City.

TOMIC SALES & ENG. CO., 4864 Woodward Ave., Detroit, Mich.—Michel Brothers, 1015 E. 16th St., Los Angeles; McMillen-Stanley Co., 778 Natoma St., San Francisco; Sanderlin Co., 129 First Ave. W., Seattle and 201 S.E. Washington, Portland; Henry L. Guokas, P.O. Box 5313, Dallas.

TOPFLIGHT TAPE CO., 116 E. Market St., York, Pa.—Branch Offices: Richard Downey, 503 Market St., San Francisco; E. A. Fargo, 5906 Wilshire Blvd., Los Angeles; F. M. Hughes, 422 S. Jay St., Tacoma.

TORK CLOCK CO. INC., 1 Grove St., Mount Vernon, N.Y.—Eichorn & Melchior, 501 Indiana, San Francisco; Allied Industries, 412 Seaton St., Los Angeles 13; Freeman C. Scharr, 441 Dexter-Horton Bldg., Seattle 4; Stevens Sales Co., 41 Post Office Place, Salt Lake City; L. S. Reed & Co., 1018 Lawrence St., Denver 4.

TOUCH-PLATE MFG. CORP., 1766 Seabright Ave., Long Beach, Calif.—L. S. Reed & Co., 1018 Lawrence St., Denver; Glidden Eng. & Equip. Co., 3802 Winchester St., Houston, 2523 McKinney, Dallas; Ben T. Clark, 307 Atlas Bldg., Salt Lake City; Oscar Hogenson, 95 Connecticut St., Seattle; Wm J. Cottrell, 11341 S.W. Pacific Hwy., Portland; Wm. Benndorf, P.O. Box 1926, Phoenix; Edw. L. Peterson, 3980 Fifth Ave., San Diego.

TRADE-WIND MOTORFANS, INC., 5725 S. Main St., Los Angeles, Calif.—W. G. Cline & Co., 812 12th St., Denver 4; Wm. O. Proby & Associates, 4271 S.E. Stark, Portland 15; 817½ 5th Ave. N., Seattle 9, and West 904 9th Ave., Spokane; Fred E. Reck, 232-D W. 36th Ave., San Mateo, Calif.

TRANS-SONICS, INC., Bedford Airport, Bedford, Mass.— H. J. Randolph Co., 650 So. Grand Ave., Los Angeles 17.

TRANS VUE CORP., 500 East 40th St., Chicago, Ill.— Blackman Sales Co., 414-20 So. Western, Los Angeles.

TREND CLOCKS, INC., 201 E. Main St., Zeeland, Mich.—Davis Distributing Co., 427 S. Western Ave., Los Angeles; L. G. McCullar, 2884 Fairmount, Dallas.

TRENT, INC., 201 Leverington Ave., Philadelphia, Pa.—Mine & Smelter Sup. Co., 121 W. 2nd South St., Salt Lake City; Kirk-Palka Co., 415 Wall St., Los Angeles; 420 Market, San Francisco.

TRINE MFG. CORP., 1430 Ferris Place, New York City 61, N. Y.—Ralph W. Sullivan, 420 Market St., San Francisco 11.

TRIPLETT ELECTRICAL INSTRUMENT CO., Harmon Road, Bluffton, Ohio—James J. Backer, 2321 2nd Ave., Seattle 1; Russ Hines Co., 234 9th St., San Francisco 3; Howard M. Saul, 5720 Wilshire Blvd., Los Angeles 36; Gates Co., 200 S. Main St., Salt Lake City; H. George Shefler, P. O. Box 1587, Phoenix.

TRIANGLE CONDUIT & CABLE CO., INC., New Brunswick, N. J.—Rex E. Larsen, 923 E. 3rd St., Los Angeles; R. F. McDonald, 656 Townsend St., San Francisco; Roger Baylee, 12221 Greenwood Ave., Seattle.

TRICO FUSE MFG. CO., 2848 N. 5th St., Milwaukee, Wis.—Albert S. Knight, 3010 Western Ave., Seattle 1; Hughson & Merton, 1270 Bush St., San Francisco 9; H. H. Van Luven, 537 Ceres Ave., Los Angeles 13; Wm. E. Brice Co., 1512 Pease Ave., Houston; R. F. Hamilton & Associates, 4715 Watauga Rd., Dallas; The Pape Organization, 2127 S. Holly St., Denver 7; James Mundstock, 320 Market St., San Francisco 11.

TROPIC-AIRE, INC., (Sub McGraw Electric) 1200 St. Charles Road, Elgin, Ill.—K. E. Campbell Dist. Mgr., 316 East Third St., Los Angeles; B. S. Green, 316 East Third St., Los Angeles; W. P. Moore, 6026 44th Ave. N. E., Seattle; W. H. Smith, Box 202C, Danville, Calif.; R. W. Mohr, 2341 Olive St., Denver 7; J. D. Sheehan, P.O. Box 1346, Dallas.

TRUMBULL ELECTRIC, Dept. of General Electric, Woodford Ave., Plainville, Conn. — California Regional Mgr., J. W. Barry, 11115 Vanowen St., North Hollywood, Calif.; District Mgr., A. F. Rogers. Representatives: D. Howard and W. G. Foster, North Hollywood. San Francisco Dist. Mgr., L. M. Kerkhof, 260 S. Van Ness Ave.; Representatives: W. H. White, S. H. Anderson, San Francisco. Northwest Regional Mgr., W. I. Downie, 303 W. Hudson St., Seattle 14, District Mgr., T. M. Widrig. Representatives: T. A. Dietrichs, and T. M. Widrig, Seattle.

TUCKER SNO-CAT CORP., P. O. Box 888, Medford, Oregon—Direct from factory.

TUTTLE & KIFT, INC., 1823 N. Monitor Ave., Chicago 39, Ill.—Western Factors, 90 Dearborn St., Seattle 4; A. M. Solen, 1225 E. 17th Ave., Denver 6; Paul H. Potter, 5309 S. District Blvd., Los Angeles 22.

TUTTLE & CO., H. W., 261 W. Maumee St., Adrian, Mich.—Montgomery Bros. in following cities: 1122 Howard St., San Francisco; 2113 S. San Pedro, Los Angeles; 911 Western Ave., Seattle; 1104 N.W. 15th, Portland.

U C LITE MFG. CO., 1050 W. Hubbard St., Chicago 22, Ill.—Manufacturers Marketing Service, P.O. Box 277, Menlo Park, Calif.; 2342 Franklin St., San Francisco, 328 West 2nd South, Salt Lake City; 4229 Colbath Ave., Sherman Oaks, Calif.; 9404 Grandview, Arvada, Colo.

UNION INSULATING CO., INC., Parkersburg, West Va. — Lynn & Brooks, 3055 Wilshire Blvd, Los Angeles; 9931 N.E. Mason, Portland, and 2048 Market St., San Francisco; Allen B. Carpenter Co., 820 12th St., Denver; M. C. Huie Co., 2810 Canton St., Dallas.

UNION MANUFACTURING CO., 236 Church St., New Britain, Conn.—Joseph C. Fletcher, 1415 Folsom St., San Francisco; David E. Williams, 213 Greenleaf Ave., Whittier, Calif.; D. H. Lundin Co., 1127 E. Northlake, Seattle.

UNION METAL MFG. CO., 1432 Maple Ave. N.E., Canton 5, Ohio—Branch Offices: R. G. VandenBoom, Western Dist. Mgr., 3248 Long Beach Ave., Los Angeles; Taper Tube Pole Co., 630 Monadnock Bldg., San Francisco 5; Westinghouse Electric Supply; General Electric Supply Corp., Line Material Co., Graybar Electric Co., all principal cities.

UNISTRUT PRODUCTS CO., 1013 W. Washington Blvd., Chicago 7, Ill. — Squires & Marshall, 370 Fourth St., San Francisco 7; Glenmart Co., Inc., 990 S. Fair Oaks Ave., Pasadena, Calif.; Williams, Gritton & Wilde, 204 Dooly Bldg., Salt Lake City; Landes, Zachary & Peterson, 272 S. Santa Fe Dr., Denver 9, and H. L. Peterson, 1003 E. Roma, Albuquerque; Unistrut Northwest Service Co., 2434 First Ave. S., Seattle 4, and 112 S.W. Pine St., Portland. (See adv. page 49.)

U. S. ELECTRICAL MOTORS, INC., 200 E. Slauson, Los Angeles, Calif.—Branch Offices: 564 4th St., San Francisco; 3427 4th Ave. S., Seattle; 561 Divisadero, Fresno, Calif.

U. S. HOFFMAN MACHINERY CORP., Filtration Div., 219 Lamson St., Syracuse, N.Y.—Bellove Co., 420 Market St., San Francisco; Chester Paul Co., 1605 Victory Blvd., Glendale; Lombard Smith, 714 W. Olympic Blvd., Los Angeles; Dawson Machinery Co., 5700-2-4 First Ave. So., Seattle; Burson Sales, Inc., 4943 Colorado Blvd., Denver; Clarence W. Silver Co., 550 W. 7th St., So., Salt Lake City; Thomas S. Wood, 220 9th Ave. No., Seattle.

U. S. INSTRUMENT CORP., 409 Broad St., Summit, N.J.—J. T. Hill Sales Co., 800 West 11th St., Los Angeles 15; Edw. F. Aymond, 4310 Maple Ave., Dallas 9, Graybar Electric Co. Inc., all major cities.

U. S. RUBBER CO. (Wire Division), 1230 Sixth Ave., New York City, N. Y.—Western Branch offices: L. M. Gulbara, 784 So. San Pedro St., Los Angeles, and Walter Kletting, 160 Motor Ave., Salt Lake City. Agents: F. D. Benz, 444 Brannan St., San Francisco 7; J. C. Bird, 618 Second Ave., Seattle 4; Earl S. Condon, 1151 So. Broadway, Los Angeles 15; F. E. Stalbe & Sons, 2046 Arapahoe St., Denver; Electric Agencies, 1227 S.E. Holgate Blvd., Portland 2.

U. S. RUBBER CO. (Mechanical Goods Div.), 1230 Sixth Ave., New York City, N. Y.—Western Branch offices: E. T. Day, 784 So. San Pedro, Los Angeles; D. H. Meissner, 6025 Third St., San Francisco 24; Walter Kletting, 160 Motor Ave., Salt Lake City, and L. F. Koepp, 630 N. W. 10th Ave., Portland 9.

UNITED STATES TIME CORPORATION, 500 Fifth Ave., New York City—M. E. Winn (U. S. Time Corp.), 714 W. Olympic Blvd., Los Angeles 15.

UNITED TRANSFORMER CO., 150 Varick St., New York, N. Y.—C. R. Strassner Co., 1865 N. Western Ave., Los Angeles; Northwestern Agencies, 4130 First Ave. So., Seattle.

UNIVERSAL WINDING CO., P.O. Box 1605, Providence 1, R. I.—Branch Office: E. G. Paules, 1762 W. Vernon Ave., Los Angeles 37.

UPTEGRAFF MFG. CO., Bridge St., Scottdale, Pa.—Alex Hibbard Co., 1416 Blake St., Denver 4; North Pacific Elec. Agencies, 615 Lloyd Bldg., Seattle 1; R. M. Schow, 1709 W. 8th St., Los Angeles; Slaybaugh - Thompson Co., 100 W. 13th Ave., Denver.

USCO POWER EQUIPMENT CORP., 829 N. 36 Way, Birmingham 4, Ala.—Schueler & Weston, 923 E. Third St., Los Angeles.

UTILITY APPLIANCE CORP., 4851 S. Alameda St., Los Angeles 11, Calif.—Wm. Dozier, 826 N.E. 78th St., Portland; Howard Diehl, P. O. Box 2002, 635 Belmont, Fresno; Val Lehman, 1408 E. Solano Dr., Phoenix; W. E. & K. P. Gnadt, 435 Atlas Bldg., Salt Lake City—Denver; H. K. Baldwin, 1355 Market St., San Francisco.

UTILITY POLE CO., 119 Cleveland Ave. S.W., Canton 2, Ohio—Maydwell & Hartzell, Inc., in following cities: 158 11th St., San Francisco 3; 427 W. 5th St., Los Angeles 13; 1238 N.W. Glisan St., Portland 9; Second & Cherry Bldg., Seattle 4.

UTILITIES SAFETY SUPPLY CO., INC., 3112 Indiana St., Kansas City, Mo.—Sold through electrical wholesale houses.

UTILITIES SERVICE COMPANY, 1 Pine St., Allentown, Pa.—Leonard Slusser, 318 Dooly Bldg., Salt Lake City; Harold F. Klingenberg, 512 Insurance Bldg., Denver; Curtis Musgrove, 506 Southland Life Annex, Dallas 1; Kirk-Palka Co., 415 Wall St., Los Angeles 13, and 420 Market St., San Francisco 11; Jack Pruzan Co., 109 Jackson St., Seattle 4.

V-M CORP., 4th and Park, Benton Harbor, Mich.—J. W. Marsh Co., 1515-19 West Pico Blvd., Los Angeles and 1355 Market St., San Francisco; Don Burcham Co., 917 S.W. Oak, Portland and 2338 Warren Ave., Seattle.

VAN CLEEF BROS., INC., 7800 Woodlawn Ave., Chicago, Ill.—M. H. Klinger Co. in following cities: 158 W. Pico Blvd., Los Angeles; 440 Golden Gate Ave., San Francisco; 1016 First Ave. S., Seattle 4; 1230 Bellair St., Denver; Hirsig-Frazier Co., 4323 Belmont Ave., Dallas.

VAN DORN ELECTRIC TOOL CO., Towson 4, Md.—Branch Offices: 9th and Bryant St., San Francisco; 1941 S. Flower St., Los Angeles; 2613 Ross Ave., Dallas; 1010 Bannock St., Denver; 409 Velasco St., Houston; 1640 N.W. Johnson St., Portland 9; 434 8th Ave. N., Seattle 9.

VAN DYKE INDUSTRIES, 2559 West 21st St., Chicago 8, Ill.—Regional Sales Co., 178 Townsend St., San Francisco.

VARFLEX CORP., 305 N. Jay St., Rome, New York—Western Fiberglas Supply Co., 957 S. Grand Ave., Los Angeles, and 739 Bryant St., San Francisco.

VARIAN ASSOCIATES, 990 Varian St., San Carlos, Calif.—Neely Enterprises, 7422 Melrose Ave., Hollywood and 107 South Washington St., Albuquerque.

VASCO DIV., Mitchell Industries, Inc., Camp Wolters, Mineral Wells, Texas—Charles N. Meyer, 1555 Market St., San Francisco 3; Richard E. Osborne, 1127 Wilshire Blvd., Los Angeles 14; Gordon G. Moss, P. O. Box 428, Greeley, Colo.; Frank Wedel Co., 8041 12th Ave. N.E., Seattle 5.

VEEDER-ROOT, INC., 70 Sargeant St., Hartford, Conn.—F. Somers Peterson Co., 524 Folsom St., San Francisco, and 413 E. 12th St., Los Angeles; Fairman B. Lee Co., 219 Central Bldg., Seattle.

VERD-A-RAY (Penetray Corp.), 615 Front St., Toledo, Ohio—Branch Office: Leonard Holzman, 335 Towne Ave., Los Angeles; V. Bingham, 4315 E. 43rd, Seattle; J. Nicodemus, 230 So. 4th, Salt Lake City; H. G. Shefler, 240 So. 1st, Phoenix.

VERSEN CO., KURT, Englewood, N. J.—Barney DeRamus, 123 S. Santa Fe Ave., Los Angeles 12; Howard B. Winsor, 2516 Ivy Dr., Oakland 6.

VIBROSCOPE CO., 6 E. 39th St., New York City 16—J. G. Corrin, 600 S. Highland Ave., Los Angeles 36.

VICTOR ELECTRIC PRODUCTS INC., 2950 Robertson Ave., Cincinnati 9, Ohio—Eric F. Chemsitz Co., 1355 Market St., San Francisco 3, and 1148 S. Grand Ave., Los Angeles 15; L. M. Baxter, 1220 S. W. Stark St., Portland; Allen B. Carpenter Co., 820 12th St., Denver.

VICTOR INSULATORS, INC., Maple Ave., Victor, New York—Maydwell & Hartzell, Inc., in following cities: 158 11th St., San Francisco 3; 427 W. 5th St., Los Angeles 13; 306 Dexter Ave., Seattle; 1238 N.W. Glisan St., Portland 9; 814 Paulsen Bldg., Spokane; 6710 North 15th St., Phoenix.

VICTOR SPECIALTIES, New Rochelle, N. Y.—McMillen-Stanley Co., 778 Natoma St., San Francisco.

VIKING INSTRUMENT, INC., 400 Towne St., East Haddam, Conn.—G. N. Somerville, 780 Natoma St., San Francisco.

VIRDEN CO., JOHN C., 6103 Longfellow Ave., Cleveland, Ohio—Barney DeRamus, 125 S. Santa Fe Ave., Los Angeles.

VOLTARC TUBES, INC., 44 Cross St., Norwalk, Conn. — Keeler, White Co., 1041 6th Ave. S., Seattle, and 322 N.W. 4th Ave., Portland; John W. Reynolds Co., Inc., 74 W. 4th South, Salt Lake City, H. George Shefler, P. O. Box 1587, Phoenix; James B. Stuart, 4401 Caruth St., Dallas; Joseph M. Smith, 3625 S. Grand Ave., Los Angeles 7.

VULCAN ELECTRIC CO., 88 Holten St., Danvers, Mass.—Garnett Young & Co., in following cities: 390 Fourth St., San Francisco 7; 910 E. Third St., Los Angeles 13; 503 Polson Bldg., Seattle.

WAAGE MANUFACTURING CO., 632 N. Albany Ave., Chicago 12, Ill.—Electric Appliance Service, 1434 Howard St., San Francisco; 302 17th St., San Diego, and 726 Venice Blvd., Los Angeles; Urner's Appliance Center, 212 21st St., Bakersfield, Calif., Appliance Parts Service, 216 Stewart St., Seattle; A-1 Master Elec 47 E. 4th St., Salt Lake City 1; Bressie Electric, 909 S.W. Fifth Ave., Portland 4; Midwest Electric Service, 1124 Santa Fe Dr., Denver 4; Vincent Carter Co., 325 N. 4th, Phoenix.

WADSWORTH ELECTRIC MFG. CO., INC., 20 to 54 W. 11th St., Covington, Ky. — Bruce-Emmett Co., 839 S.E. Alder St., Portland 14, and 1016 1st Ave. S., Seattle 4; Hodges & Glomb, 1264 Folsom St., San Francisco 3; L. S. Reed & Co., 1018 Lawrence St., Denver 4; Rutkin Elec'l Sales Co., 937 Stanford Ave., Los Angeles 21. (See adv., p. 51.)

WAGNER ELECTRIC CORP., 6400 Plymouth Ave., St. Louis 14, Mo.—Branch Offices: A. W. Maas, Branch Mgr., 457 Ninth St., San Francisco 3; L. G. Tandberg, Br. Mgr., 1240 S. Hope St., Los Angeles 15; P. M. Postlethwaite, Br. Mgr., N.W. 9th and Glisan, Portland 9; 1918 First Ave. S., Seattle 4; H. L. Vaughn, Br. Mgr., 1526 Blake St., Denver 2; R. A. Conely, Br. Mgr., 165 S. 1st West, Salt Lake City 1.

WAGNER MALLEABLE PRODUCTS CO., 222 W. Adams St., Chicago, Ill.—Murphy-Hain Co., 720 E. Second St., Los Angeles 12; Fred E. Staible & Sons, 2046 Arapahoe, Denver 2; Hodges & Glomb, 1264 Folsom St., San Francisco 3; Northwestern Agencies, 4130 First Ave. S., Seattle 4.

WAGNER-WOODRUFF CO., 830 S. Olive St., Los Angeles 14, Calif.

WAKEFIELD BRASS CO., F. W., 731 Water St., Vermilion, Ohio—W. A. McGuire, 923 E. 3rd St., Los Angeles 13; C. T. Bakeman, 752 Natoma St., San Francisco 3; F. C. Henkel, 317 Builders Exchange Bldg., Portland 4.

WALKER BROTHERS, End St., Conshohocken, Pa. — Garnett Young & Co., 390 4th St., San Francisco; 910 E. 3rd St., Los Angeles, and 501 Polson Bldg., Seattle.

WALL MFG. CO., P., Erie and Grant Grove City, Pa.—Kenneth B. Komp Sales Co., 1290 LaCumbre Road, San Mateo, Calif.

WAMA CO., Industrial Bldg., Baltimore 2, Md.—K. M. Ryals Co., 461 Market St., San Francisco.

WARD PRODUCTS CORP., Div. Gabriel Co., 1523 E. 45th St., Cleveland, Ohio—H. George Shefler, P. O. Box 1587, Phoenix; A. A. Sinai, 65 9th St., San Francisco; G. S. Marshall Co., 40 S. Los Robles, Pasadena; D. H. Burcham, 917 S. W. Oak St., Portland 5.

WARD LEONARD ELECTRIC CO., 115 MacQuesten Pky. South, Mt. Vernon, N. Y.—Branch Office: 420 S. San Pedro St., Los Angeles 13. Agents: Mark G. Mueller, 1644 Blake St., Denver 2; L. F. Church Co., 750 Natoma St., San Francisco 3; Northwestern Agencies, 4130 First Ave. S., Seattle 4; Leonard M. Slusser, 318 Dooly Block, Salt Lake City 1; Central Station Eng. Co., 2323 Aviation Highway, Tucson; Brance-Krachy, 4411 Navigation Blvd., Houston 5; P. O. Box 463, Corpus Christi, and 419 E. Martin St., San Antonio.

WARE FUSE CORPORATION, 4400 W. Lake St., Chicago, Ill.—Kenneth Anderson Co., 412 Seaton St., Los Angeles 13; Hodges & Glomb, 1264 Folsom St., San Francisco; James L. Kearns Co., P.O. Box 5108, Portland 16; McGillan Sales Co.; 513 S. Amherst, Albuquerque; The Darger Co., 328 W. 2nd South St., Salt Lake City 1. (See adv., page 53.)

WARING PRODUCTS CORP., 25 W. 43rd St., New York 36—D. E. Sanford Co., 1049 S. Hill St., Los Angeles; 12th and Howard Sts., San Francisco, and 2521 2nd Ave., Seattle.

WARRICK CO., CHARLES F., 1964 W. 43rd St., New York 36.—D. — Herb Weightman, Brown Professional Bldg., 140 S. Glenoaks Blvd., Burbank; James L. Kearns Co., 531 S. E. 62nd Ave., P. O. Box 5108, Portland 16.

WATLOW ELECTRICAL MFG. CO., 1376 Ferguson Ave., St. Louis, Mo.—A. A. Barbera, 311 N. Martel, Los Angeles 36; Peterson Co., 4969 Colorado Blvd., Denver 16; A. B. Murphy Co., 228 9th St., San Francisco 3.

WAVERLY PRODUCTS, INC. — See Rival Mfg. Co.

WEBSTER ELECTRIC CO., 1900 Clark St., Racine, Wis.—James J. Backer Co., 2321 2nd Ave., Seattle; Glenn Gaer, 2052 Humboldt, Denver; O. P. Yelton, 2146 32nd Ave., San Francisco; E. A. Skahill, 933 N. Kenmore, Los Angeles 27.

WEED CONTROL SERVICE, 1924 S.E. 6th St., Portland, Ore.

WEISS & BIHELLER MERCHANDISE CORP., 584 Broadway, New York City 12—Keeler White Co., in following cities: 615 7th St., San Francisco 7; 436 Colyton St., Los Angeles 13; 1041 Sixth Ave. S., Seattle 4; 322 Radio Central Bldg., Spokane 8; 322 N.W. 4th Ave., Portland 9.

WELCH CO., W. W., 439 Race Street, Cincinnati, Ohio — Floyd Yudelson, 1151 S. Broadway, Los Angeles 15; Allen B. Carpenter, 820 12th St., Denver 4; Robert C. Brinkley, 1008 Western Ave., Seattle 4.

WELKO, INC., 219 W. Chicago, Chicago, Ill.—Henry Lauer, 307 W. 8th St., Los Angeles; Wm. Henry Co., 2327 Delmar, Seattle.

WELLER ELECTRIC CORP., 808 Packer St., Easton, Pa.—Arnold Sinai, 65 Ninth St., San Francisco 3; Henry Feldman, 400 W. Pico Blvd., Los Angeles 15; Northwestern Agencies, 4130 First Ave. South, Seattle 4; William Connors, 1520 Eudora St., Denver.

WESIX ELECTRIC HEATER CO., 390 First St., San Francisco, Calif. — Branch Offices: C. S. Hicks, Securities Bldg., Seattle 1; C. W. Larue, 335 Terminal Sales Bldg., Portland 5; M. L. Hooper, Brockman Bldg., Los Angeles 14; George Hollister, 1640 San Pablo Ave., Fresno 4; Arthur M. Banchero, 1215 Fitch Way, Sacramento.

WEST BEND ALUMINUM CO., West Bend, Wis.—M. J. Rosenfield 917 S. Olive, Los Angeles 15; Albert Groeschel, 1355 Market St., San Francisco; A. T. McGrath, P. O. Box 215, 5729 Tampa Ave., Tarzana; Darwin Pitz, Box 302, Rt. 1, Mercer Island, Wash.

WEST COAST ELECTRIC MFG. CORP., 10608 S. Main St., Los Angeles, Calif.

WEST WIND CORPORATION, 1800 Airport Way, Seattle 4, Wash.—Gough & Co. Ltd., 569 Beatty St., Vancouver, B. C.; Harold W. Frederick Co., N. 213 Division St., Spokane 8; D. R. Munro, 112 S.W. Pine St., Portland 4; O'Keefe, Inc., 55 11th St., San Francisco 3; Home Elec. Co., 1316 A St., Tacoma 1; Wm. F. Thomas, P. O. Box 336, Boise; Mechanical Equipment Co., 329 11th Ave., Salt Lake City; Palmer Electric Co., 307 Westlake Ave. N., North Coast Electric Co., 171

WADSWORTH

SAFETY SWITCHES—PANELBOARDS
SERVICE EQUIPMENT
Distributed by leading
ELECTRICAL WHOLESALERS

The WADSWORTH ELECTRIC MFG. CO. INC.
Covington Kentucky

Western Representatives

HODGES & GLOMB, INC.
1264 Folsom St.
San Francisco 3, Calif.

RUTKIN ELEC'L. SALES CO.
937 Stanford Ave.
Los Angeles 21, Calif.

BRUCE-EMMETT CO.
830 S.E. Alder St.
Portland 14, Oreg., and
1016 First Ave., So.
Seattle 4, Wash.

L. S. REED & CO.
1018 Lawrence St.
Denver 4, Colo.

UNISTRUT

Metal Framing System
Pipe Supports
Conduit & Beam Clamps
Concrete Inserts
Pipe Rollers
Tubing Clips
Fluorescent Fixture Supports
Pallet Racks
Steel Shelving
Cable Tray Supports

SQUIRES & MARSHALL

370 Fourth Street San Francisco 7, Calif.

Phone YUkon 6-4882

WICX
Imported Goatskin
COVER GLOVES
give better protection to linemen's rubber gloves
Write for free illustrated catalog of leather gloves and garments for industry including welders, linemen, many others.
WICX-MERIT Glove Company
1121 Seventh St., Oakland 20, Calif.

BUY WESTERN
When in need of a Transformer buy a WESTERN
Western Transformer Company
618 EAST ELEVENTH STREET, OAKLAND 6, CALIFORNIA

WANTED
MORE IRON AND STEEL SCRAP... OF ALL KINDS!

Steel mills and foundries need more scrap.

Not just "production" scrap from metal-fabricating plants . . . but also all sorts of *idle* iron and steel—from all types of plants.

Search *your* plant for this idle metal . . . work with your local scrap dealer to increase supplies of badly-needed iron and steel scrap.

What to look for . . .

obsolete machines, tools and equipment, no-longer-used jigs and fixtures, worn-out or broken chains, wheels, pulleys, gears, pipe, tanks, drums and abandoned metal structures. Non-ferrous is needed, too!

Jackson St., Stusser Electric Co., 2246 First Ave. S., Westinghouse Electric Supply Co., 1051 First Ave., Seattle Hardware Co., 501 First Ave. S., Seattle; Westinghouse Electric Supply Co., N. 1023 Monroe St., Spokane; Westinghouse Electric Supply Co., 1930 Pacific Ave., Tacoma; Westinghouse Electric Supply Co., 13 S. 7th Ave., Yakima; Westinghouse Electric Supply Co., 949 S. Montana St., Butte; Montana Electric Supply, P. O. Box 1323, Billings; Western Supply & Dist. Co., P. O. Box 1153, Helena; Inland Hardware Co., P. O. Box 492, Pasco.

WESTERN BLOWER CO., 1800 Airport Way, Seattle 4, Wash.—Howard Nielsen Co., 429 S.W. 2nd St., Portland; Harold W. Frederick, Box 186, Spokane; Mechanical Equipment Co., P. O. Box 2332, Salt Lake City; F. W. Berger, Jr., 57 Post St., San Francisco 4; English & Lauer, Inc., 1978 S. Los Angeles St., Los Angeles 11; Von Hamm Young, Ltd., P. O. Box 2630, Honolulu, T. H.; General Equipment Ltd., 1230 Granville St., Vancouver, B. C.

WESTERN ELECTRO-MECHANICAL CO., INC., 300 Broadway, Oakland, Calif.—R. E. Cunningham & Son, 601 W. 5th St., Los Angeles; George Hoffman, 3007 S.W. Nebraska, Portland.

WESTERN INSULATED WIRE CO., 2425 E. 30th St., Los Angeles, Calif.—R. P. Delehanty, 224 Mississippi St., San Francisco; J. C. Bird, 618 Second Ave., Seattle; John Carder, 1624 N. First St., Albuquerque; M. F. Klicpera, P. O. Box 3113, Houston; A. E. Linzer, 305A Liliuokalani Ave., Honolulu.

WESTERN SWITCHBOARD CO., 474 Bryant St., San Francisco. (See adv., page 68.)

WESTERN TRANSFORMER CO., 618 E. 11th St., Oakland, Calif. (See adv., page 52.)

WESTINGHOUSE ELECTRIC CORP., 306 4th Ave., Pittsburgh, Pa.—INDUSTRIAL PRODUCTS: R. A. Neal, Vice President, 410 Bush St., San Francisco. Walter J. Maytham, Jr., Pacific Coast Dist. Mgr., 410 Bush St., San Francisco. Branch Offices: S. M. Johns, Manager, 600 St. Paul Ave., Los Angeles; K. L. Howe, Mgr., 3451 E. Marginal Way, Seattle; Norman H. Miller, Mgr., 309 S.W. 6th Ave., Portland; H. B. Hodgins, Mgr., 235 W. South Temple St., Salt Lake City; W. G. Willson, Mgr., 1102 N. 21st Ave., Phoenix; E. E. Lacy, Mgr., 1 East Broadway, Butte; Louis A. Goalby, Mgr., 910 Fifteenth St., Denver; R. E. Blasen, Mgr., 1023 W. Riverside Ave., Spokane; R. T. Strong, Mgr., 525 E St., San Diego.

—LAMP DIVISION, headquarters, Bloomfield, N. J. W. H. Thompson, Pac. Coast Mgr., 410 Bush St., San Francisco; R. B. Borland, Mgr. So. Pac. Div., 600 St. Paul Ave., Los Angeles; F. T. Anderson, Mgr. No. Pac. Div., 1200 Westlake Ave. N., Seattle 8; George E. Congdon, Mgr. Central Pac. Div., 410 Bush St., San Francisco; D. A. Steinkamp, 1052 Gas and Electric Bldg., Denver; L. A. Stevens, 1007 Southland Annex, Dallas.

—LIGHTING DIVISION, headquarters, Edgewater Park, Cleveland, Ohio. Walter J. Maytham, Jr., Pac. Coast Dist. Mgr., 410 Bush St., San Francisco. Branch Offices: Seattle, Portland, Los Angeles, Salt Lake City.

—ELEVATOR DIVISION, headquarters, Jersey City, N. J.—R. H. Wagner, Pacific Coast Dist. Mgr., 410 Bush St., San Francisco; H. C. Galitz, Branch Manager, 600 St. Paul Ave., Los Angeles.

—X-RAY DIVISION, headquarters, Baltimore, Md. Branch Offices and Managers: Harold Auld, 410 Bush St., San Francisco; Karl Burkholder, 600 St. Paul Ave., Los Angeles; F. D. Bourke, 714 S. W. 13th Ave., Portland; J. J. McDevitt, 1416 Olive Way, Seattle; C. H. Haskins, 235 West South Temple St., Salt Lake City; R. E. Blasen, 1023 W. Riverside Ave., Spokane.

—ELECTRICAL APPLIANCE DIV., headquarters, 246 E. 4th St., Mansfield, Ohio. W. T. Baker, Pacific Coast Manager, 1355 Market St., San Francisco; H. E. Hugo, Sales Dev. Mgr., 1355 Market St., San Francisco. Branch offices in principal cities. Through leading distributors.

—STURTEVANT DIV., headquarters, Hyde Park, Mass. Branch Offices and Managers: A. J. Bouey, 410 Bush St., San Francisco; F. W. Jordan, 410 Bush St., San Francisco; W. S. Brouse, Los Angeles; J. S. Bowers, San Francisco. Agents: Brod & McClurg, Portland.

WESTON ELEC'L INSTRUMENT CORP., 614 Frelinghuysen Ave., Newark, N. J.—Eicher & Co., 263 Colman Bldg., Seattle 4; Herman E. Held, 120 Main St., San Francisco 5; Edward S. Sievers, 5171 Hollywood Blvd., Los Angeles 27; Peterson Co., 4949 Colorado Blvd., Denver 16; J. E. Redmond Supply Co., 625 W. Madison St., Phoenix.

WHEELCO INSTRUMENTS CO., 847 W. Harrison St., Chicago, Ill.—Jensen Instrument Co., 420 Market St., San Francisco, and 1919 W. Beverly Blvd., Los Angeles; The Instrument Lab., 934 Elliott Ave. W., Seattle; Denver Fire Clay Co., 225 W. South Temple, Salt Lake City; 2301 Blake St., Denver; 1309 Texas St., El Paso, and 413 S. 8th St., Boise; George Hatfield, 1307 Jefferson St., Houston; Farnes & Martig Co., 417 N.E. Couch St., Portland.

THE WHEELER INSULATED WIRE CO., 150 E. Aurora St., Waterbury, Conn.—H. Van Luven Co., 537 Ceres Ave., Los Angeles; Robert R. Prussin, 224 Harriet, San Francisco; Dave M. Lee Co., 819 Thomas St., Seattle; Tinling & Powell, East 706 Sprague, Spokane; E. T. Vonier, 1160 Elati, Denver; H. R. Onsrecker, 2518 Times Blvd., Houston; Harry A. Miller, 1902 McKinney Ave., Dallas.

WHEELER REFLECTOR CO., 275 Congress St., Boston, Mass.—C. T. Bakeman & Associates, 752 Natoma St., San Francisco; J. G. Pomeroy Co., 1004 E. Fourth St., Los Angeles; Sanderlin C 129 First Ave. W., Seattle; P. A. Douden & Co., 1645 Wazee St., Denver.

WHIRLPOOL CORPORATION, St. Joseph, Mich.—R. P. Lewis, Western Regional Sales Manager, P. O. Box 383, Scottsdale, Ariz. Sold through leading distributors.

WHITE CO., O. C., 17 Hermon, Worcester 8, Mass. — Dan H. Radke Co., 754 Natoma St., San Francisco; Bruce-Emmett Co., 830 S.E. Alder, Portland.

WHITE PRODUCTS CORP., Main St., Middleville, Mich. — Sold through leading distributors all principal cities.

WHITE-RODGERS ELECTRIC CO., 1209 Cass Ave., St. Louis 6, Mo.—Pacific Scientific Co., in following cities: 1430 Grande Vista Ave., Los Angeles; 25 Stillman St., San Francisco; 1915 First Ave. South, Seattle; Terminal Sales Bldg., Portland.

WHITING CORPORATION, 157th and Lathrop Ave., Harvey, Ill.—George R. Pizarro, 1517 Glenden Ave., Los Angeles 25; Wm. C. Stoner, 2617 Gramercy, Houston.

WHITNEY BLAKE CO., 1565 Dixwell Ave., New Haven 14, Conn.—Branch Office: Stanley Sherman and W. C. Mitchell, Jr., 25 Beale St., San Francisco.

WICKMAN GLOVE CO., 1824 San Pablo Ave., Berkeley, Calif.—Charles E. Morton Co., 1406 S. Grand Ave., Los Angeles; A. L. Dickson, 1259 Clark Rd., Paradise; Western Hdwe. & Tool Co., 122 10th St., San Francisco.

WICX-MERIT GLOVE CO., 1121 7th St., Oakland 20, Calif. (See adv., page 52.)

WIEGAND CO., EDWIN L., 7540 Thomas Blvd., Pittsburgh 8, Pa.—Montgomery Bros. in following cities: 1122 Howard St., San Francisco; 2113 S. San Pedro, Los Angeles 11; 1104 N.W. 15th Ave., Portland 9; 911 Western Ave., Seattle 4; Richards-Conant, 2415 15th Ave., Denver 11.

WILCOLATOR CO., 1001 Newark Ave., Elizabeth 3, N. J.—F. D. MacLean, 2335 E. 8th St., Los Angeles; T. S. Kinney, 90 Dearborn St., Seattle 4.

WILCOX-GAY CORP., 385 Fourth Ave., New York, N. Y.—Branch Offices: Lou Stutz, 1776 Robertson Blvd., Los Angeles; Burt C. Porter, 4310 Roosevelt Way, Seattle; Allen I. Williams, 230 Cooper Ave., Denver.

WILES CO., ELWOOD, 532 S.E. Belmont, Portland, Ore.—J. E. Haseltine & Co., S.W. 2nd at Ash St., Portland; Stusser Elec. Co., 2246 First Ave. S., Seattle; Inland Pipe & Supply Co., Yakima; Miller Supply Inc., Wallula Road, Walla Walla; Bellingham Supply Co., Bellingham.

WILEY, INC., R. & W., 119 Dearborn St., Buffalo, N. Y.—Harry N. Lindsey, 1261 W. 56th St., Los Angeles 37; William Benndorf, 429 W. Jefferson St., Phoenix; Fred R. Army, 4209 Parry Ave., Dallas 10.

WILLIAMS MFG. CO., Hugh B., 2946 Oak Lane, Dallas, Texas—Joslyn Pacific Co. in following cities: 5100 District Blvd., Los Angeles 11; 180 Potrero Ave., San Francisco 3; 1523 N.W. Kearney St., Portland 9; 2424 First Ave. South, Seattle 4; 1427 E. 3045 South St., Salt Lake City.

WILMINGTON FIBRE SPECIALTY CO., P. O. Drawer 1028, Wilmington 99, Delaware—Glenn H. Taylor, 1151 Santee St., Los Angeles; Gillette & McLaren, Inc., 407 Smith Tower, Seattle; C. H. Jones Equipment Co., Salt Lake City; Alfred E. Lilly & Associates, 907 Post St., San Francisco 9.

WILSOLITE CORP., 501 Amherst St., Buffalo, N. Y.—Electrical Specialty, 316 Eleventh St., San Francisco; 2406 First Ave. So., Seattle; 418 E. Third St., Los Angeles and 1015 21st St., Denver.

WILSON RUBBER CO., 1200 Garfield Ave. S.W., Canton 6, Ohio—Ralphs-Pugh Co., 530 Howard St., San Francisco; Bailey Equipment Co., 1604 State St., San Diego. Sold through General Electric Supply Corp., all cities.

WINFIELD METAL PRODUCTS CORP., 2421 W. Roosevelt Road, Chicago, Ill.—James Mundstock, 320 Market, San Francisco; Pete Bach, 1233 N. W. 12th Ave., Portland.

WING MFG. CO., L. J., Vreeland Mills Rd., Linden, N. J.—Harang Eng. Co., 840 Lake St., San Francisco; Trade-Wind Motorfans, Inc., 5725 S. Main St., Los Angeles; Olympic Supply, 1743 1st Ave. So., Seattle; R. H. Brown & Co., 620 Henry Bldg., Portland; W. A. Crowder, 602 Empire State Bldg., Spokane 1, Stapp Eng. Co., 512 Tabor Bldg., Denver; Lang Co. Inc., 267 W. First South, Salt Lake City.

WIREMOLD CO., Hartford 10, Conn.—F. A. Strohecker, 2207 First Ave. South, Seattle 4; George A. Gray Co., 2720 17th St., San Francisco 10; F. J. Airey Co., 1613-15 S. Mateo St., Los Angeles 21; Kenneth B. Schumann Co., 814 12th St., Denver 4.

WIRT COMPANY, 5221 Greene St., Philadelphia, Pa.—James C. Pope, Jr., 1827 S. Hope St., Los Angeles 15.

WOLVERINE TUBE DIV., 1850 Guardian Bldg., Detroit, Mich.—Van D. Clothier Co., 1025 E. 16th St., Los Angeles, and 666 Mission St., San Francisco.

WOOD ELECTRIC CO., INC., C. D., 70-17 83rd St., Glendale, Long Island, N. Y.—Branch Office: Harry Appleton, 136 San Fernando St., Los Angeles.

WOOD FINISHING CO., N. J., Amboy Ave., Woodbridge, N. J.—Tri-State Supply Corp. in following cities: 544 S. San Pedro St., Los Angeles; 554 Bryant St., San Francisco; 318 Occidental Ave., Seattle 4; Insulation & Wires, Inc., in following cities: 2043 Sacramento Ave., Los Angeles 21; 1702 N.E. Sandy Blvd., Portland, 1077 Howard St., San Francisco.

WOODHEAD CO., DANIEL, 15 N. Jefferson, Chicago, Ill.—Michel Brothers, 1015 E. 16th St., Los Angeles; Ernest F. Hauck, 383 Brannan, San Francisco; K. B. Schumann, 814 12th St., Denver; Shaffer Nelson Co., 312 Occidental Ave., Seattle and 7453 S.E. 31st St., Portland.

WRIGHT & SONS CO., WM. E., Industrial Textile Div., West Warren, Mass.—A. B. Smedley, P. O. Box 67-C, Pasadena, Calif.

WROUGHT WASHER MFG. CO., 2100 S. Bay St., Milwaukee 7, Wis.—Hughson and Merton in following cities: 269 Colman Bldg., Seattle; 509 Beason Bldg., Salt Lake City; 3209 Glendale Blvd., Los Angeles; 1270 Bush St., San Francisco.

WUELKER INFRA RED AND LIGHTING CO., 1445 Stevenson St., San Francisco, Calif. See ad page 61.

YOUNG BROTHERS CO., 1831 Columbus Road, Cleveland, Ohio O. H. Rosentreter, 3622 E. Slauson Ave., Maywood, Calif.; James R. Hewitt, Jr., 1213 Capitol Ave., Houston.

YOUNGSTOWN SHEET & TUBE CO., Youngstown 1, Ohio—Branch Offices: Youngstown Steel Products Co. in following cities: 714 W. Olympic Blvd., Los Angeles; 55 New Montgomery St., San Francisco; 555 Central Bldg., Seattle; 814 Continental Oil Bldg., Denver.

ZENITH RADIO CORP., 6001 W. Dickens Ave., Chicago 39, Ill.—H. R. Basford Co., 235 15th St., San Francisco; Sues, Young & Brown, Inc., 3636 S. Bronson Ave., Los Angeles; Seattle Hdwe. 501 First Avenue South, Seattle; W. H. Bintz Co., 433 West 3rd South St., Salt Lake City; Elec'l Dist. Co., 140 N.W. 14th Ave., Portland; Elec'l Equipment Co., First Ave. at Madison, Phoenix; Western Appliance Corp., 201 S. Cherokee, Denver; Columbia Elec. & Mfg. Co., 123 S Wall, Spokane; Electric Supplies Dist. Co., 435 Second Ave., San Diego; Albert Mathias & Co., 111 So. Mesa Ave., El Paso; Midland Implement Co., 2301 Montana Ave., Billings, Mont.; Broili-Parks Co., 2225 19th St., Sacramento; B. J. De Jarnatt Wholesale Co., 223 Fulton St., Fresno.

ZENITH ELECTRIC CO., 152 W. Walton St., Chicago 10, Ill.—James Mundstock, 320 Market St., San Francisco; Ed Warburg Co., 1207 East 8th St., Los Angeles.

ZOPHAR MILLS, INC., 112 26th St., Brooklyn 32, N. Y.—Electrical Specialty Co. in following cities: 316 11th St., San Francisco 3; 418 E. Third St., Los Angeles 13; 2406 First Ave., Seattle 1, and 1015 21st St., Denver 2.

Five Exclusive Features!

No. 1 Double Fibre Bridge Assembly increases strength 10 times. Maintains perfect alignment.

No. 2 Only one wrench needed to remove blown link and renew.

No. 3 Rugged simplicity. Only 3 parts to handle in renewing link.

No. 4 HI-LAG Link of one piece, uniform thickness, has large contact areas—wide body areas to insure dependable absorption of heat for time lag.

No. 5 Arched spring tension washers and heavy studded bolt, keeps links permanently tight. Reducing excessive heat and needless blows.

WARE HI-LAG FUSES have many exclusive features in design and construction which make them far superior in operation—much more economical in rendering longer fuse life and with unsurpassed safety insurance.

WARE FUSES are also available in the following types: WB Renewable Fuse without special time lag features.

WARE Non-Renewable rugged one time powder packed construction.

WARE True Contact Trolley Tap designed especially for coal mines.

Write for descriptive literature of complete line.

APPROVED BY UNDERWRITERS' LABORATORIES

WARE FUSE CORPORATION

4412 W. Lake St. Chicago 24, Ill.

REPRESENTATIVES

Stanford Darger & Co., 328 W. 2nd South St., Salt Lake City 1, Utah
Test Instruments Unlimited, Box 5108, Portland 16, Ore.
Kenneth Anderson Co., 412 Seaton, Los Angeles 13, California
Hodges & Glomb, 1264 Folsom St., San Francisco 3, California
McGillan Sales Company, 513 South Amherst, Albuquerque, New Mexico

WHERE-TO-BUY IN THE WEST

Alphabetical listing of various electrical products, showing manufacturers and Western sources. **PAGES 54 TO 71.**

DIRECTORY OF MANUFACTURERS—Alphabetical listing of manufacturers of electrical equipment, showing their principal Western offices and sales representatives. PAGES [illegible]

DIRECTORY OF APPLIANCE SERVICE AND REPAIR PARTS—A listing of electrical appliance manufacturers' Western service stations and parts depots. **PAGES 77 TO 92.**

DIRECTORY OF WESTERN REPRESENTATIVES—A listing by states and cities of manufacturers' representatives handling electrical lines. PAGES 72 TO 76.

Adapters, All Types

All Steel Equip. Inc.,
Appleton Elec. Co.
Benjamin Elec. Mfg. Co.
Crouse-Hinds Co.
Economy Fuse & Mfg. Co.
General Elec. Co.
North American Elec. Lamp. Co.
Steel City Co.

Adhesives, Glues and Cements

L. B. Allen Co.
General Elec. Supply Corp.
General Elec. Co.
F. D. George Co.
Graybar Electric Co., Inc.
U. S. Rubber Co.
Van Cleef Bros.
Westinghouse Elec. Corp.

Air Conditioning

Air Cooling Eng. Co.
Campbell & George
Denham Sales
Frigidaire Div., General Motors
General Elec. Co.
General Elec. Supply Corp.
Frank W. Gorman
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Mitchell Mfg. Co.
Montgomery Bros.
Northwest Sales & Eng. Service
Smallcomb Elec. Co.
Walter E. Wallace Co.
Westinghouse Elec. Corp.

Air Filters

Air Cooling Eng. Co.
Campbell & George
Signal Elec. Mfg. Co.

Alloys

Driver-Harris

Ammeters, Ohmmeters, Voltmeters, Wattmeters

Associated Research, Inc.
C. C. Blecksmith
Burlington Instrument Co.
Carlson, Fred W.
Cole Instrument Co.
Duncan Elec. Mfg Co.
General Elec. Co.
General Elec. Supply Corp.
Graybar Elec. Co., Inc.
Geo. E. Honn Co.
James R. Kearney Corp.
Lint Co., Clyde W.
Lundy, Ralph B.
Maydwell & Hartzell, Inc.
Nicholas, Fred M.
L. A. Nott
Pyramid Instrument Co.
T. R. Routh Co.
Sangamo Elec. Co.
A. B. Smedley
Somerville, G. N.
H. B. Squires Co.
L. W. Thompson
Westinghouse Elec. Corp.
Weston Elec. Instr. Corp.

Anchor and Guy Rods

A. B. Chance Co.
Copperweld Steel Co.
Everstick Anchor Co.
General Elec. Co.
General Elec. Supply Corp.
Frank W. Gorman
Gough Industries, Inc.
Graybar Elec. Co., Inc.
George E. Honn Co.
Hubbard & Co.
Joslyn Pacific Co.
James R. Kearney Corp.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec. Co.
Lint Co., Clyde W.
Locke Dept. GE Co.
W. N. Matthews Corp.
Maydwell & Hartzell, Inc.
Oliver Iron and Steel Corp.
Pieper-Lillard, Inc.
Poles, Inc.
Ryals Co., K. M.
Wagner Malleable Prod. Co.
Waltham, DeWitt & Krusi

Annunciators

General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Lundy, Ralph B.
Pomeroy Co., J. G.
Sperti-Faraday
H. H. Van Luven Co.

Appliances, Commercial

Frigidaire Div., General Motors
General Elec. Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Hotpoint
Landers, Frary & Clark
Russell & Co.
Solen Co., Albert M.
Swiveller Co.
Taufenbach Co., Les
Wesix Electric Heater Co.
Westinghouse Elec. Corp.

Appliances, Household

Bendix Home Appliances, Inc.
Ceazan Co., J. N.
George H. Curtiss
Crown Elec. Mfg. Corp.
Curtiss, H. R.
Frigidaire Div., General Motors
General Elec. Co.
General Elec. Supply Corp.
General Mills, Inc.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Hotpoint, Inc.
Landers, Frary & Clark
Monarch Range Co.
Nesco, Inc.
Reliance Sales Co.
Russell & Co.
Samson United Corp.
Solen Co., Albert M.
Sylvania Elec. Prod.
Taufenbach Co., Les
Thermador Elec. Mfg. Co.
Waage Mfg. Co.
Wesix Electric Heater Co.
Westinghouse Elec. Corp.

Armor Rods

Aluminum Co. of America
American Steel & Wire
Columbia Steel
Indiana Steel & Wire
Preformed Line Products Co.
Line Material Co., Div. McGraw Elec.
Locke Inc.
Maydwell & Hartzell, Inc.
Oliver Iron and Steel Corp.
Pieper-Lillard Co.
Ryals Co., K. M.
Wagner Malleable Prod. Co.

Anchors

A. B. Chance Co.
Everstick Anchor Co.
General Elec. Supply Corp.
Frank W. Gorman
Gough Industries, Inc.
Geo. E. Honn Co.
Hubbard & Co.
Joslyn Pacific Co.
James R. Kearney Corp.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec. Co.
Lint Co., Clyde W.
Locke Dept. GE Co.
W. N. Matthews Corp.
Maydwell & Hartzell, Inc.
Oliver Iron and Steel Corp.
Pieper-Lillard, Inc.
Poles, Inc.
Ryals Co., K. M.
Wagner Malleable Prod. Co.
Waltham, DeWitt & Krusi

Annunciators

General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Lundy, Ralph B.
Pomeroy Co., J. G.
Sperti-Faraday
H. H. Van Luven Co.

Appliances, Commercial

Frigidaire Div., General Motors
General Elec. Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Hotpoint
Landers, Frary & Clark
Russell & Co.
Solen Co., Albert M.
Swiveller Co.
Taufenbach Co., Les
Wesix Electric Heater Co.
Westinghouse Elec. Corp.

Appliances, Household

Bendix Home Appliances, Inc.
Ceazan Co., J. N.
George H. Curtiss
Crown Elec. Mfg. Corp.
Curtiss, H. R.
Frigidaire Div., General Motors
General Elec. Co.
General Elec. Supply Corp.
General Mills, Inc.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Hotpoint, Inc.
Landers, Frary & Clark
Monarch Range Co.
Nesco, Inc.
Reliance Sales Co.
Russell & Co.
Samson United Corp.
Solen Co., Albert M.
Sylvania Elec. Prod.
Taufenbach Co., Les
Thermador Elec. Mfg. Co.
Waage Mfg. Co.
Wesix Electric Heater Co.
Westinghouse Elec. Corp.

Armor Rods

Aluminum Co. of America
American Steel & Wire
Columbia Steel
Indiana Steel & Wire
Preformed Line Products Co.
Ryals Co., K. M.

Arresters, Power Line Lightning

Ken H. Best
General Electric Co.
General Elec. Supply Corp.
Geo. E. Honn Co.
Hubbard & Co.
Joslyn Pacific Co.
James R. Kearney Corp.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Reliable Electric Co.
S & C Electric Co.
So. States Equipment Co.
Westinghouse Elec. Corp.
Tom Wood

Ballasts, Fluorescent Lamp

Agencies Co.
Certified Ballasts Mfgrs.
Chicago Transformer Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries
Graybar Elec. Co., Inc.
Industrial Electronics
Noel Co., Ray J.
A. B. Smedley
Sola Electric Co.
Sylvania Elec. Prod., Inc.
Thermador Elec. Mfg. Co.
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co

Bands, Cable and Pole Stubbing

Gough Industries, Inc.
Graybar Elec. Co., Inc.
Hubbard & Co.
James R. Kearney Corp.
Joslyn Pacific Co.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Oliver Iron & Steel Corp.

Batteries and Equipment-Chargers

Allen-Bradley
Bright Star Battery Co.
California Elec. Works
Campbell & George Co.
H. D. Easterbrook
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Ideal Industries, Inc.
Kato Engineering Co.
Maydwell & Hartzell, Inc.

Bells and Buzzers

Agencies Co.
K. M. Anderson Co., Inc.
Benjamin Elec. Mfg. Co.
Fred D. Benz Co.
Brainard, W. V.
Frank H. Bran Co.
Control Corp.
Crouse-Hirds Co.
Electric Agencies, Inc.
Electric Sales Co.
Federal Enterprises, Inc.
General Elec. Supply Corp.
Gough Industries, Inc.
Geo. A. Gray Co.
Graybar Elec. Co., Inc.
"Hock" Ensmith Sales
F. M. Nicholas Co.
Northwestern Agencies
Pomeroy Co., J. G.
Prussia Co., Robt. B.
Somerville, G. N.
Sperti - Farraday
H. H. Van Luven Co.

Belts, Linemen's Belts

Ken Best
Buckingham Mfg. Co., Inc.
Dickson, A. L.
Graybar Elec. Co., Inc.
Industrial Safety Belt Corp.
Klein & Sons, Mathias
Western Hardware & Tool Co.

Benders, Misc.

M. B. Austin Co.
Electric Sales Co.
Fullman Mfg. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Geo. A. Gray Co.
Graybar Elec. Co.
Greenlee Tool Co.
Line Material Co., Div. McGraw Elec.
Lint, Clyde W.
H. P. Martin & Sons
McGillan Sales Co.
Murphy-Hain Co.
F. M. Nicholas Co.
J. G. Pomeroy Co.
Schueler & Weston
Westinghouse Elec. Corp.

Blanks, Knockout or Snap-in

Appleton Electric Co.
Austin Co., M. B.
Benz Co., Fred D.
Buchanan Elec'l Prod.
Lint, Clyde W.
Nicholas, F. M.

Blocks, Cable Conduit

Maydwell & Hartzell, Inc.
Soapstone Duct Co.

Blowers, Compressors

Allis-Chalmers Mfg. Co.
Anderson Co., Kenneth
Benz Co., Fred D.
Bran Co., Frank H.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Ideal Industries, Inc.
Maydwell & Hartzell, Inc.
Montgomery Bros.
Motorcraft
Smallcomb Elec. Co.
Trade-Wind Motorfans, Inc.

Bolts, Nuts

Carlson, Fred W.
Gen. Elec. Supply Corp.
Gough Industries, Inc.
Hubbard & Co.
Joslyn Pacific Co.
Kortick Mfg. Co.
Kwikon Co.
Line Material Co., Div. McGraw Elec.
Lombard Smith
Oliver Iron & Steel Corp.
Westinghouse Elec. Corp.

Boxes, All Kinds

All Steel Equipment Co.
Appleton Elec. Co.
The M. B. Austin Co.
Best, Ken H.
The Frank H. Bran Co.
Brainard, W. V.
Buchanan Elec. Products, Inc.
Chapman Co., J. M.
Delta Star Elec. Co.
Eichorn & Melchior
Fullman Mfg. Co.
G. & W. Elec. Specialty Co.
General Cable Corp.
General Elec. Co.
General Elec. Supply Corp.
General Eng. & Design Co.
Gough Industries, Inc.
George A. Gray Co.
Graybar Elec. Co., Inc.
C. E. Ingalls & Sons
F. D. Kees Mfg. Co.

Boxes, All Kinds—Continued

McMillen & Stanley Co.
Meyers Safety Switch Co.
Murphy-Hain Co.
Murray Mfg. Co.
National Elec. Prod. Corp.
Nicholas, F. M.
Northwestern Agencies
Of Z. Electrical Mfg. Co.
J. G. Pomeroy Co.
Porcelain Products, Inc.
Prussia Co., Robt. B.
Rusgreen Mfg. Co.
Russell & Stoll
Schueler & Weston
Square D. Co.
Steel City Elec.
Union Insulating Co., Inc.
Waltham, deWitt & Krusi
Westinghouse Elec. Corp.

Braces ((See Crossarms)

Brackets, All Types

Electrical Engrs. Equip. Co.
Benz Co., Fred D.
General Electric Supply Corp.
Gough Industries, Inc.
Hubbard & Co.
Joslyn Pacific Co.
Kindorf Co.
Kortick Mfg. Co.
Line Material Co., Div., McGraw Elec. Co.
Lint, Clyde W.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.
National Elec. Prod.
Ohio Brass Co.
Steel City
Westinghouse Elec. Corp.

Breakers

Air Circuit Breakers

Allied Industries
Allis-Chalmers Mfg. Co.
Bracken Sales Agency
The Frank H. Bran Co.
Crouse Hinds Co.
Federal Elec. Prod. Co.
Fowler Co., M. L.
General Elec. Co.
General Electric Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Harold M. Hudson Co.
C. E. Ingalls
I-T-E Circuit Breaker Co.
Line Material Co., Div. McGraw Elec.
Oliver B. Lyman
Mullenbach Electrical Mfg. Co.
Murray Mfg. Co.
Northwestern Agencies
Safety Switchboard Co., Inc.
Sangamo Elec. Co.
Square D Company
L. W. Thompson
Trumbull, Dept. of GE Co.
H. H. Van Luven
Westinghouse Elec. Corp.

Breakers, Oil Circuit

Agencies Co.
Allis-Chalmers Mfg. Co.
Bracken Sales Agency
Delta Star Elec. Co.
Fowler Co., M. L.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
C. E. Ingalls
James R. Kearney Corp.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Mullenbach Electrical Mfg. Co.
Pacific Elec. Mfg. Corp.
Square D Co.
L. W. Thompson
H. H. Van Luven
Westinghouse Elec. Corp.

Bus Fittings

Agencies Co.
Burndy Eng'g Co.
Cole Electric Co.
Condon Co., Earl S.
E. B. Cook Co.
Delta Star Elec. Co.
Eichorn & Melchior
Electric Agencies, Inc.
Electrical Engineers Equipt. Co.
General Elec. Co.
General Electric Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Industrial Eng. & Equip. Corp.
C. E. Ingalls & Sons
James R. Kearney Corp.
Kirk-Palka Co.
Lapp Insulator Co.
Line Material Co., Div. McGraw Elec.
Locke Dept. GE Co.
Maydwell & Hartzell, Inc.
National Elec. Prod. Co.
O. Z. Electrical Mfg. Co.
Pacific Elec. Mfg. Corp.
Penn-Union Elec. Corp.
Rusgreen Mfg. Co.
Ryals, Co., K. M.
Safety Switchboard Co.
Schwager-Wood Corp.
A. B. Smedley
Southern States Equipment Co.
Square D. Co.
H. B. Squires Co.
Squires & Marshall
Trumbull, Dept. of GE Co.
Unistrut Products Co.
Waltham, DeWitt & Krusi
Western Switchboard Co.

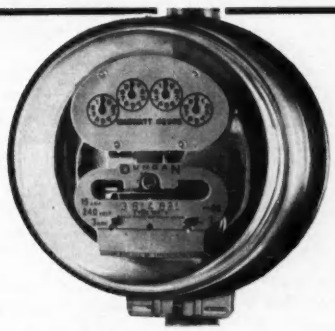
Bushings

Appleton Electric Co.
M. B. Austin Co.
The Frank H. Bran Co.
Benz Co., Fred D.
Buchanan Electrical Prod. Corp.
Delta Star Elec. Co.
Eichorn & Melchior
Federal Enterprises, Inc.
Gedney Electric Co.
General Elec. Co.
General Electric Supply Corp.
General Eng. & Design
Gough Industries, Inc.
Graybar Electric Co.
F. D. Kees Mfg. Co.
Kirk-Palka Co.
Kwikon Co.
Lapp Insulator Co., Inc.
Locke Dept. GE Co.
Maydwell & Hartzell, Inc.
Murphy-Hain Co.
Nat'l Electrical Products Corp.
Fred M. Nicholas
Northwest Sales Co.
O. Z. Electrical Mfg. Co.
Ohio Brass Co.
Porcelain Ins. Co.
Porcelain Products, Inc.
J. G. Pomeroy Co.
The R. Thomas & Sons Co.
Tri-State Supply Corp.
Union Insulating Co.
Victor Insulators, Inc.
Westinghouse Elec. Corp.

Cable Accessories

Agencies Co.
Allied Industries
All Steel Equipment Co.
Aluminum Co. of America
American Steel & Wire Co.
Anaconda Wire & Cable Co.
M. B. Austin Co.
Benz Co., Fred D.
The Frank H. Bran Co.
Buchanan Electrical Prod. Corp.
Cole Elec. Co.
Condon Co., Earl S.
E. B. Cook
Delta Star Elec. Co.
Eichorn & Melchior
Elec'l Engineers Equip. Co.
Everstick Anchor Co.
Fargo Mfg. Co., Inc.
G & W Elec. Specialty Co.
Gedney Electric Co.
General Cable Corp.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Geo. E. Honn Co.
Ilsco Copper Tube & Prod.
C. E. Ingalls & Sons
Joslyn Pacific Co.
James R. Kearney Corp.
Kirk-Palka Co.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
McMillen & Stanley Co.
Murphy-Hain Co.
National Tele. Supply Co.
Nicholas, F. M.
Northwest Sales Co.
O. Z. Electrical Mfg. Co.
Oliver Iron & Steel Co.
Penn-Union Elec. Co.
J. G. Pomeroy Co.
Pyle-National Co.
Randolph Co., H. J.
Reliable Elec. Co.
John A. Roebling's Sons Co.
Rome Cable Corp.
H. B. Sherman Mfg. Co.
A. B. Smedley
Squires & Marshall
Tomic Sales & Eng. Co.
John H. Tubergen
Unistrut Products Co.

• WATTHOUR METERS •
• DEMAND METERS •
• METER SOCKETS •



DUNCAN
WATTHOUR METERS

DUNCAN ELECTRIC MFG. CO.
LAFAYETTE *Territory Representatives* INDIANA
- C. C. Blecksmith, 164 S. Central, Los Angeles 12, Calif.
- Eicher & Co., 263 Colman Bldg., Seattle 4, Wash.
- Paul A. Douden & Co., 1645 Wazee St., Denver 2, Colo.
- Osborne & Kitchen, Inc., Box 1831, Reno, Nevada
- United Electric Supply Co., 117 W. 4th South St., Salt Lake City 10, Utah
- A. and A. Supply Co., Box 1516, Albuquerque, N. Mex.
- Industrial Elect. Products, Inc., Box 1428, Phoenix, Ariz.

Cable, Armored

Agencies Co.
Allied Industries
American Steel & Wire Co.
Anaconda Wire & Cable Co.
The M. B. Austin Co.
The Frank H. Bran Co.
Collyer Insulated Wire Co.
Coulson, J. C.
Crescent Ins. Wire & Cable Co.
Electric Agencies, Inc.
Electric Sales Co.
General Cable Corp.
General Electric Co.
General Electric Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Line Material Co., Div. McGraw Elec.
Marwood, Ltd.
Maydwell & Hartzell, Inc.
National Elec. Prod. Corp.
Okonite Company
J. G. Pomeroy Co.
James C. Pope, Jr.
Rockbestos Products Corp.
John A. Roebling's Sons Co.
Rome Cable Corp.
Simplex Wire & Cable Co.
A. B. Smedley
Triangle Conduit & Cable Co.
U. S. Rubber Co.
U. S. Steel Co.
Westinghouse Elec. Corp.

Cable-Co.-Axial

American Steel & Wire
Anaconda Wire & Cable
Benz Co., Fred
Federal Tele. & Radio Corp.
General Cable Corp.
General Elec. Co.
Graybar Elec. Co. Inc.
Maydwell & Hartzell, Inc.
Okonite Co.
U. S. Rubber Co.

FRED D. BENZ COMPANY

Manufacturers' Representatives and Engineering Consultants

U. S. RUBBER CO.—Insulated Wires and Cables—Tape
A. L. SMITH IRON CO.—Smithcraft Lighting Fixtures
HYKON MANUFACTURING CO.—Wire Reels
AUTOMATIC DEVICES, INC.—Portable Scaffolds
SIMPLET ELECTRIC CO.—Conduit Fittings
FRANK H. BRAN COMPANY—Electrical Supplies

444 Brannan Street — YUkon 2-4312 — San Francisco 7, Calif.

Cables, Paper

American Steel & Wire
Anaconda Wire & Cable
General Cable Corp.
General Elec. Co.
Okonite Co.
Paranite Wire & Cable
Roeblings Sons, John A.
Triangle Conduit & Cable

Cables

Agencies Co.
Allied Industries
American Steel & Wire Co.
Anaconda Wire & Cable Co.
The M. B. Austin Co.
Benz Co., Fred D.
The Frank H. Bran Co.
John Carder, Jr., Co.
Chapman Co., J. M.
Earl S. Condon
Copperweld Steel Co.
Crescent Ins. Wire & Cable Co.
Electric Sales Co.
Electrical Specialty Co.
Essex Wire Corp.
General Cable Corp.
General Elec. Co.
General Electric Supply Corp.
Gough Industries, Inc.
George A. Gray Co.
Graybar Elec. Co., Inc.
Hill Sales Co., J. T.
Indiana Steel & Wire Co.
C. E. Ingalls
James R. Kearney Corp.
Kerite Co.
Line Material Co., Div. McGraw Elec.
Liner, Joseph
Marwood Limited
Maydwell & Hartzell, Inc.
McMillen & Stanley Co.
Murphy-Hain Co.
Nat'l Electrical Prod. Corp.
F. W. Nicholas Co.
The Okonite Co.
Paranite Wire & Cable Co.
Rockbestos Products Corp.
Rome Cable Corp.
John A. Roebling's Sons Co.
Simplex Wire & Cable Co.
A. B. Smedley
Triangle Conduit & Cable Co., Inc.
John B. Tubergen
United States Rubber Co.
United States Steel Corp.
H. H. Van Luven
Western Insulated Wire & Cable
Westinghouse Elec. Corp.
Young & Co., Robt. A

Cable Trays

Johns-Manville Corp.

Capacitors

Bracken Sales Agency
John G. Corrin
Electrical Specialty Co.
Fast & Co., John E.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Hill Sales Co., J. T.
Geo. E. Honn Co.
Insulation and Wires
Kearney Corp., James R.
Line Material Co., Div. McGraw Elec.
Lombard, Smith Co.
Oliver B. Lyman
Maydwell & Hartzell, Inc.
Moloney Elec. Co.
Northwest Sales & Eng. Service
L. A. Nott
Sangamo Electric Co.
A. B. Smedley
Tri-State Supply Corp.
Westinghouse Elec. Corp.

Carbon Brushes

Electrical Specialty Co.
General Elec. Supply Corp.
Graybar Elec. Co., Inc.
Helwig Company
Holub Industries, Inc.
Insulation & Wires, Inc.
Keystone Carbon Co.
Marwood Limited
Northwest Sales & Eng. Service
Smallcomb Electric Co.
Tri-State Supply Corp.

Carbon Products

Electrical Specialty Co.
Gratiot & Sons, C. J.
Helwig Co.
Ohio Carbon Co.
Tri-State Supply Corp.

Cement, Electrical

Montgomery Bros.
Westinghouse Elec. Corp.

Chairs—Cable, Pole Balconies and Seats

Chance Co., A. B.
Everstick Anchor Co.
Hubbard & Co.
Kearney Corp., Jas. R.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.

Chimes

Agencies Co.
Kenneth M. Anderson Co.
F. J. Airey Co.
Benjamin Elec. Mfg. Co.
Benz Co., Fred D.
The Frank H. Bran Co.
Electric Agencies, Inc.
General Elec. Supply Corp.
Gough Industries, Inc.
Gray Co., Geo. A.
Graybar Elec. Co., Inc.
O. Z. Elec'l Mfg. Co.
A. E. Rittenhouse Co., Inc.
Sperti-Faraday
Square D Co.

Clamps, Cable

Aluminum Co. of America
M. B. Austin Co.
Burndy Engineering Co.
Buchanan Elec'l Prod. Co.
A. B. Chance Co.
Copperweld Steel Co.
Delta Star Elec. Co.
Eichorn & Melchior
General Electric Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Hubbard & Co.
Ilsco Copper Tube & Prod., Inc.
Joslyn Pacific Co.
James R. Kearney Corp.
Kindorf Co.
Kirk-Palka Co.
Klein & Sons, Mathias
Kortick Mfg. Co.
Lapp Insulator Co.
Line Material Co., Div., McGraw Elec.
Malleable Iron Fittings Co.
W. N. Matthews Corp.
Maydwell & Hartzell, Inc.
Minerallac Elec. Co.
Murphy-Hain Co.
Nicholas, F. M.
Ohio Brass Co.
Oliver Iron & Steel Co.
O. Z. Elec. Mfg. Co., Inc.
Pacific Electro Sales Co.
Pacific Elec. Mfg. Co.
Penn-Union Elec. Corp.
Reliable Elec. Co.
Roebling's Sons Co., John A.
H. B. Sherman Mfg. Co.
A. B. Smedley
Soapstone Duct Co.
Southern States Equipment Co.
Squires & Marshall
Steel City
Trumbull, Dept. GE Co.
Unistrut Products Co.
Victor Insulators, Inc.
Waltham, DeWitt & Krusi
Westinghouse Elec. Corp.

Clamps, Dead Ending

Aluminum Co. of America
Brewer-Titchener Corp.
Burndy Eng'g Co.
A. B. Chance Co.
Delta Star Elec. Co.
Fargo Mfg. Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Hubbard & Co.
Joslyn Pacific Co.
Jas. R. Kearney Corp.
Kirk-Palka Co.
Lapp Insulator Co.
Line Material Co., Div. McGraw Elec.
Matthews Corp.
Ohio Brass Co.
Oliver Iron & Steel Corp.
Penn-Union Elec. Corp.
Reliable Elec. Co.
Steel City Elec. Co.
Westinghouse Elec. Corp.

Clamps, Ground

Agencies Co.
All Steel Equip. Co.
Appleton Elec. Co.
Associated Sales Engineers
The M. B. Austin Co.
Best, Ken H.
Jasper Blackburn Products Corp.
Burndy Eng'g Co.
Carder Co., John
Copperweld Steel Co.
Crouse Hinds Co.
Delta Star Elec. Co.
Elec. Engrs. Equip. Co.
Electric Sales Co.
Fargo Mfg. Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Geo. E. Honn Co.
Hubbard & Co.
Ilsco Copper Tube & Prod., Inc.
C. E. Ingalls
Joslyn Pacific Co.
James R. Kearney Corp.
Kirk-Palka Co.
Kortick Mfg. Co.
Kwikon Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Malleable Iron Fittings Co.
Maydwell & Hartzell, Inc.
Murphy-Hain Co.
National Tel. Supply Co.
Nicholas Co., F. M.
Northwestern Agencies
Ohio Brass Co.
Oliver Iron & Steel Co.
O. Z. Electrical Mfg. Co.
Pacific Electro Sales Co.
Penn-Union Elec. Corp.
Porcelain Ins. Co.
Porcelain Products, Inc.
Reliable Elec. Co.
H. B. Sherman Mfg. Co.
Steel City Elec. Co.
Trico Fuse Mfg. Co.
H. H. Van Luven
Waltham, DeWitt & Krusi
Westinghouse Elec. Corp.

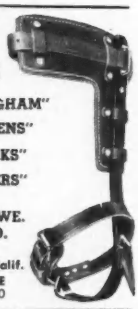
Clamps, Hot Line

Burndy Engineering Co.
Chance Co., A. B.
Fargo Mfg. Co.
General Elec. Co.
Kearney Corp., Jas. R.
Line Material Co., Div. McGraw Elec.
Lyman, Oliver B.
Locke, Dept. GE Co.
Matthews Corp., W. N.
Maydwell & Hartzell, Inc.
Ohio Brass Co.
Reliable Elec. Co.
Westinghouse Elec. Corp.

Cleaners, Industrial Vacuum

General Electric Co.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Holub Industries, Inc.
Ideal Industries, Inc.
Nicholas Co., H. M.
Northwestern Agencies

"Adjustable"
POLE CLIMBERS
"BUCKINGHAM"
"STEPHENS"
"BROOKS"
"MILLERS"
WESTERN HDWE. & TOOL CO.
122 10th St.
San Francisco 3, Calif.
Write for FREE Catalog No. 10



Climbers

Best, Ken H.
Buckingham Mfg. Co.
Dickson, A. L.
General Elec. Supply Corp.
Graybar Elec. Co., Inc.
Klein & Sons, Mathias
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Western Hardware & Tool Co.

Clips, Hangers

BullDog Elec. Prod.
Bussmann Mfg. Co.
Federal Elec. Prod.
General Elec. Supply Corp.
Honn, Geo. E.
Ideal Industries, Inc.
Ilsco Copper Tube & Prod.
Kearney Corp., Jas. R.
Kees Mfg. Co.
Lint, Clyde W.
Meter Devices Co.
Minerallac Elec. Co.
Penn-Union Elec. Co.
Reliable Elec. Co.
Sherman Mfg. Co., H. B.
Square D Co.
Trumbull, Dept. GE Co.

Coil Winding, Repairing, Equipment

Associated Sales Engineers
Calif. Elec. Works
Gardner Elec. Mfg. Co.
Ideal Industries, Inc.
Jeffries Transformer Co.
Line Material Co., Div. McGraw Elec.
Mend-it-Sleeve Mfg. Co.
Murray Mfg. Co.
Nicholas Co., F. M.
Paules, E. G.
Roebling's Sons Co., John A.

Commutator Dressers

Electrical Specialty Co.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Holub Industries, Inc.
Ideal Industries, Inc.
Insulation & Wires, Inc.
Northwestern Agencies
Ohio Carbon Co.
Tri-State Supply Corp.

Commutator Undercutters-Slotters

General Electric Co.
Hullhorst Tools
Ideal Industries, Inc.

Compounds, Insulating

Anaconda Wire & Cable Co.
M. B. Austin Co.
Calif. Elec. Works
Clifton Mfg. Co.
Delta Star Elec. Co.
Electrical Specialty Co.
G & W Elec. Specialty Co.
General Cable Corp.
General Elec. Co.
P. D. George Co.
Geo. A. Gray Co.
Graybar Elec. Co., Inc.
Geo. E. Honn Co.
Ideal Industries, Inc.
C. E. Ingalls & Sons
Irvington Varnish & Ins. Co.
Johns-Manville
Joslyn Pacific Co.
Kearney Corp., James R.
Kirk-Palka Co.
C. D. La Moree
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
McGill Mfg. Co.
Minerallac Elec. Co.
Nicholas Co., F. M.
Okonite Co.
Rockbestos Products Corp.
Pomeroy Co., J. G.
John A. Roebling's Sons Co.
Rusgreen Mfg. Co.
Tri-State Supply Corp.
Westinghouse Elec. Corp.

Condensers, Electric

Allis-Chalmers Mfg. Co.
Associated Sales Engineers
M. B. Austin Co.
Jasper Blackburn Prod. Corp.
Bracken Sales Agency
General Elec. Co.
Gen. Elec. Supply Corp.
Hill Sales Co., J. T.
Nott, L. A.
Sangamo Electric Co.
Westinghouse Elec. Corp.

Conduit

Allied Industries
Aluminum Co. of America
M. B. Austin Co.
Benz Co., Fred D.
Brainard, W. V.
Bran Co., Frank H.
Briegel Method Tool Co.
Crescent Insulated Wire & Cable Co.
Electric Agencies, Inc.
Enameled Metals Co.

Conduit—Continued

General Elec. Co.
Gen. Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Johns-Manville Corp.
Maydwell & Hartzell, Inc.
McGuire, W. A.
McMillen & Stanley Co.
Murphy-Hain Co.
National Elec. Prod. Co.
National Enameling Mfg. Co.
Northwest Sales Co.
Northwestern Agencies
Orangeburg Mfg. Co., Inc.
J. G. Pomeroy Co.
Rome Cable Corp.
Arthur E. Rowe
Soapstone Duct Co.
Spang-Chalfant Div. Nat'l Supply
Triangle Conduit & Cable Co.

Conduit, Aluminum

Aluminum Co. of America
General Electric Supply Co.
Graybar Elec. Co., Inc.
Westinghouse Elec. Sup. Co.

Conduit, Fibre

General Electric Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Electric Co.
Johns-Manville Corp.
Line Material Co., Div. McGraw Elec.

Conduit, Fittings

Allied Industries
Kenneth M. Anderson Co.
All-Steel Equipment Co.
Appleton Electric Co.
The M. B. Austin Co.
Benz Co., Fred D.
Brainard, W. V.
The Frank Bran Co.
Briegel Method Tool Co.
Buchanan Electrical Prod. Corp.
Chapman Co., J. M.
E. B. Cook Co.
Crouse Hinds Co.
Eichorn & Melchior
Electric Agencies, Inc.
Electric Sales Co.
Fowler Co., M. L.
General Elec. Co.
General Elec. Supply Corp
Gough Industries, Inc.
Graybar Elec. Co.
Ernest F. Hauck Co.
Hockensmith Sales
Johns-Manville Corp.
Killark Elec. Mfg. Co.
Kwikon Co.
Levin, M.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Marco Industries Co.
McGuire, William A.
McMillen & Stanley Co.
Murphy-Hain Co.
National Elec. Prod. Co.
F. M. Nicholas Co.
Northwestern Agencies
Ohio Brass Co.
O. Z. Electrical Mfg. Co.
Penn-Union Elec. Corp.
J. G. Pomeroy Co.
Porcelain Products, Inc.
Prussia Co., Robt. B.
Pyle-National Co.
A. B. Smedley
Soapstone Duct Co.
Square D Co.
Steel City Elec. Co.
Tri-State Supply Corp.
Wagner Malleable Products Co.
Westinghouse Elec. Corp.
Young & Co., Robt. A.

Conduit, Flexible, Metallic

Anaconda Wire & Cable Co.
The M. B. Austin Co.
The Frank H. Bran Co.
Crescent Ins. Wire & Cable Co.
Electric Agencies, Inc.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Ernest F. Hauck Co.
National Elec. Prod. Corp.
Northeastern Agencies
Orangeburg Mfg. Co., Inc.
J. G. Pomeroy Co.
Rome Cable Corp.
Peterson, F. Somers
Tri-State Supply Corp.
Triangle Conduit & Cable Co.

Conduit, Underground

M. B. Austin Co.
Benz Co., Fred D.
Bran Co., Frank H.
General Electric Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Electric Co.
Johns-Manville Corp.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Murphy-Hain Co.
National Elec. Prod. Co.
Orangeburg Mfg. Co., Inc.
Arthur E. Rowe
Rome Cable Corp.
Soapstone Duct Co.
Spang-Chalfant Div. Nat'l Sup. Co.
Square D Co.

Connectors, Couplings

Allied Industries
Kenneth Anderson Co.
Appleton Electric Co.
Benz Co., Fred D.
Best, Ken H.
Jasper Blackburn Products Corp.
Brainard, W. V.
The Frank H. Bran Co.
Briegel Method Tool Co.
Buchanan Electrical Prod. Corp.
Burndy Eng'g Co.
Campbell & George Co.
Cannon Elec. Co.
Carder Co., John
Carlson, Fred W.
Clark Controller Co.
Earl S. Condon Co.
Crouse Hinds Co.
Delta Star Elec. Co.
Eichorn & Melchior
Electric Sales Co.
Electrical Agencies, Inc.
Electrical Engineers Equip. Co.
Electrical Specialty Co.
Fargo Mfg. Co., Inc.
Gedney Electric Co.
General Electric Co.
General Elec. Supply Corp.
General Eng. & Design
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Holub Industries, Inc.
Geo. E. Honn Co.
Hubbard & Co.
Ideal Industries, Inc.
Ilsco Copper Tube & Prod. Co.
Industrial Eng. & Equip. Corp.
C. E. Ingalls
James R. Kearney Corp.
Killark Electric Mfg. Co.
Kirk-Palka Co.
Kwikon Co.
Line Material Co., Div. McGraw Elec.
Joseph Liner
Locke, Dept. GE Co.
Oliver B. Lyman
W. N. Matthews Corp.
Maydwell & Hartzell, Inc.
McGuire, William A.
McMillen & Stanley Co.
Murphy-Hain Co.
National Elec. Prod. Corp.
National Tele. Supply Co.
F. M. Nicholas Co.
Northwest Sales Co.
Northwestern Agencies
Ohio Brass Co.
O. Z. Elec. Mfg. Co.
Penn-Union Elec. Corp.
Pomeroy Co., J. G.
Reliable Elec. Co.
Rusgreen Mfg. Co.
Schueler & Weston
H. B. Sherman Mfg. Co.
A. B. Smedley
Square D. Co.
Squires Co., H. B.
L. W. Thompson
Trumbull, Dept. GE Co.
Wagner Malleable Prod. Co.
Waltham, DeWitt & Krusi
Western Hardware & Tool Co.
Tom Wood

Control Equipment

Allen-Bradley Co.
Bracken Sale Agency
Brainard, W. V.
Burlington Instrument Co.
Campbell & George Co.

H. J. RANDOLPH COMPANY
Engineering Representatives
650 South Grand Avenue, Los Angeles 17, Phone TRinity 5342
S & C ELECTRIC COMPANY
High Voltage Switching and Protective Equipment
NELSON ELECTRIC MANUFACTURING COMPANY
Electric Control, Instrumentation and Switchgear
T. J. COPE, INC. & RAKIT CORP.
Cable Installation Equipment, Cable Trough and Supports
TRANS-SONICS, INC.
Airborne Instrumentation

Clark Controller Co.
Control Corp.
Cook Co., E. B.
Cramer Co., Inc., R. W.
Crouse-Hinds Co.
H. D. Easterbrook
Federal Electric Products Co.
Federal Enterprises, Inc.
Fisher-Pierce Co., Inc.
General Elec. Co.
General Elec. Supply Corp.
General Switch Corp.
Gough Industries, Inc.
Graybar Electric Co.
Henkel, F. C.
C. E. Ingalls
Lundy, Ralph B.
Maydwell & Hartzell, Inc.
Mercoid Corp., The
Mitchell Co., C. H.
Moloney Elec. Co.
Montgomery Bros.
Mullenbach Elec'l Mfg. Co.
James Mundstock
F. M. Nicholas Co.
Northwestern Agencies
L. A. Nott
Randolph Co., H. J.
T. R. Routh Co.
Somerville, G. N.
A. B. Smedley
Square D Co.
Tork Clock Co.
Trumbull, Dept. GE Co.
Van Luven, H. H.
Tom Wood
Young & Co., Robt. A.

Converters, Synchronous

Allis-Chalmers Mfg. Co.
General Elec. Co.
Kato Eng. Co.
Lombard Smith
Westinghouse Elec. Corp.

Cords, Appliance

Agencies Co.
Anaconda Wire & Cable Co.
Benz Co., Fred D.
Bran Co., Frank H.
Chapman Co., J. M.
General Cable Corp.
General Elec. Co.
General Electric Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Landers, Frary & Clark
Nat'l Elec. Products Corp.
Northwestern Agencies
Ralphs-Pugh Co.
Rockbestos Products Corp.
Roebling's Sons Co., John A.
Rome Cable Corp.
A. B. Smedley
Sperti-Faraday
John B. Tubergen
U. S. Rubber Co.
Waage Mfg. Co.
Walter E. Wallace Co.
Western Ins. Wire Co.
Westinghouse Elec. Corp.

Cords, Heavy Duty

Agencies Co.
American Steel & Wire Co.
Anaconda Wire & Cable Co.
The M. B. Austin Co.
Benz Co., Fred D.
Bran Co., Frank H.
J. M. Chapman Co.
Earl S. Condon
Crescent Ins. Wire & Cable Co.

SPANG-CHALFANT
DIVISION OF THE NATIONAL SUPPLY COMPANY
Manufacturers
Central Rigid Iron Conduit
Central Electrical
Metallic Tubing
A. E. ROWE
Northern California Representative
660 Mission Street
San Francisco 5
Telephone: YU. 6-0553

Electric Sales Co.
Ericson Co.
Essex Wire Corp.
Fincke Co., John M.
General Cable Corp.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Maydwell & Hartzell, Inc.
National Elec. Products Corp.
Nicholas Co., F. M.
Northwestern Agencies
Okonite Co.
Ralph Pugh Co., Inc.
Rockbestos Products Corp.
John A. Roebling's Sons Co.
Rome Cable Corp.
Simplex Wire & Cable Co.
A. B. Smedley
Tri-State Supply Corp.
John B. Tubergen
U. S. Rubber Co.
U. S. Steel
W. E. Wallace Co.
Western Ins. Wire Co.
Westinghouse Elec. Corp.

Counters, Computing Devices

General Elec. Co.
Peterson, F. Somers

Couplings

(See Connectors, Couplings)

Cranes

(See Derricks, or Trolley Systems)

Crossarms

General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Geo. E. Honn Co.
Hubbard & Co.
Hughes Bros.
Joslyn Pacific Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.
McCormick & Baxter Creosoting Co.
Waltham, DeWitt & Krusi
Westinghouse Elec. Supply

SOAPSTONE SUPERIOR CONDUIT

Permanent Circuit Protection for Underground Systems

SOAPSTONE conduit has been used for 25 years by utilities and by electric and underground contractors in the West for power, communication and signal circuits where concrete - encased systems are specified. Smooth bore protects cable sheath and makes long pulls easy. Dissipates cable heat rapidly. Mineral composition makes it chemically and electrically inert.

Complete range of sizes from 2" to 5". Spacers, bell-ends, reducers and adapters available to suit all normal and special situations.

Trench-side delivery to most of California, convenient lengths for fast, easy, "one-man" handling in the field, simple collar-type coupling that requires no special tools to apply and prices no greater than inferior conduit assure lowest installed costs with SOAPSTONE.

For prices and specifications contact:

MAYDWELL & HARTZELL, INC.

San Francisco 3—158 11th St.
Los Angeles 13—427 W. 5th St.
Phoenix—6710 N. 15th St.
Portland 9—1238 N.W. Glisan
Seattle 4—306 Dexter Ave.
Spokane 8—814 Paulsen Bldg.
or write direct to

SOAPSTONE Duct Company

110 Linfield Drive
Menlo Park, Calif.

Cutouts

A. B. Chance Co.
Fowler Co., M. L.
G & W Electric Specialty Co.
General Elec. Co.
Frank W. Gorman
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Geo. E. Honn Co.
Hubbard & Co.
Industrial Eng. & Equip. Co.
C. E. Ingalls & Sons
James R. Kearney Corp.
Kwikon Co.
Line Material Co., Div. McGraw Elec.
W. N. Matthews Corp.
Maydwell & Hartzell, Inc.
Northwestern Agencies
Pacific Elec. Mfg. Corp.
Porcelain Products, Inc.
Randolph Co., H. J.
S. & C. Electric Co.
Southern States Equipment Co.
Square D Co.
Wadsworth Electrical Mfg. Co.
Waltham, DeWitt & Krusi
Westinghouse Elec. Corp.

Cutters, Shears

Bartlett Mfg. Co.
Bracken Sales Agency
General Electric Co.
Greenlee Tool Co.
Honn Co., George E.
Lint Co., Clyde W.
McGillan Sales Co.

Derricks—Dinkies

Four Wheel Drive Auto Co.
Highway Trailer Co.
McCabe Powers Auto Body Co.
Tel-E-Lect Products, Inc.

Diggers, and Augers

(See Earth Boring Equipment)

Distribution Specialties

Agencies Co.
Best, Ken H.
Burndy Eng. Co.
Fargo Mfg. Co., Inc.
General Elec. Co.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Geo. E. Honn Co.
Hubbard & Co.
Joslyn Pacific Co.
James R. Kearney Corp.
F. D. Kees Mfg. Co.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
W. N. Matthews Corp.
Maydwell & Hartzell, Inc.
Mullenbach Elec'l Mfg. Co.
Ohio Brass Co.
Oliver Iron & Steel Co.
Reliable Elec. Co.
Safety Switchboard Co.
S. & C. Electric Co.
H. B. Sherman Mfg. Co.
The R. Thomas & Sons Co.
Trumbull, Dept. GE Co.
Wadsworth Elec. Mfg. Co., Inc.
Waltham De Witt & Krusi
Western Switchboard Co.

Drills

Benz Co., Fred D.
Greenlee Tool Co.
Hubbard & Co.
Line Material Co., Div. McGraw Elec.
Lint Co., Clyde W.
Nicholas Co., H. M.
Petersen Engineering Co.
Signal Elec. Mfg. Co.

Duct

Allis-Chalmers
BullDog Elec. Products Co.
Federal Elec. Prod. Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Ingalls & Sons, C. E.
Johns-Manville Corp.
Line Material Co., Div. McGraw Elec.
Lyman, Oliver B.
Maydwell & Hartzell, Inc.
Mullenbach Elec'l. Mfg. Co.
National Elec. Prod. Corp.
Orangeburg Mfg. Co., Inc.
Randolph Co., H. J.
Ryals Co., K. M.
Safety Switchboard Co.
Soapstone Duct Co.
Square D Co.
Trumbull, Dept. GE Co.
Westinghouse Elec. Corp.

Earth Boring Equipment

Chance Co., A. B.
Everstick Anchor Co.
Graybar Elec.
Geo. E. Honn Co.
Joslyn Pacific Co.
Line Material Co., Div. McGraw Elec.
Lint, Clyde W.
Matthews Corp., W. N.
McGillan Sales
Petersen Engineering Co.
Tel-E-Lect Products Co.
Westinghouse Elec. Supply Corp.
Williams Mfg. Co., Hugh B.

Electrical Connections

Erico Products Co.
Ryals Co., K. M.

Electrodes

Federal Enterprises, Inc.
General Elec. Co.
Graybar Elec. Co.
Westinghouse Elec. Corp.

Electronic Devices

General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Edwin F. Guth Co.
Hill Sales Co., J. T.
Industrial Electronics Corp.
Ingalls & Sons, C. E.
JWR Co.
Peterson, F. Somers
Randolph Co., H. J.
A. B. Smedley
Sylvania Electrical Products Co.
Square D Co.
H. B. Squires
Taufenbach Co., Les
Webster Elec. Co.
Westinghouse Elec. Corp.

Electroplaters (See Platers)

Enclosures, Meter and Instrument

Agencies Co.
Anchor Mfg Co.
Crouse Hinds Co.
General Elec. Supply Corp.
Geo. A. Gray
Graybar Elec. Co., Inc.
F. D. Kees Mfg. Co.
Lyman, Oliver B.
Meter Devices Co.
Murray Mfg. Co.
L. A. Nott
Square D Co.
Trumbull, Dept. GE Co.
Westinghouse Elec. Corp.
Tom Wood

Fans

Anderson Co., Kenneth
Benz Co., Fred D.
Bran Co., Frank H.
Ceazan Co., J. N.
Chapman Co., J. M.
Denham Sales
Electromode Corp.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Edwin F. Guth Co.
Harry F. Haldeman, Inc.
JWRCo., Inc.
Landers, Frary & Clark
Levin, M.
Maydwell & Hartzell, Inc.
McMillen & Stanley Co.
Montgomery Bros.
Motorcraft
Panama Lamp & Com. Co.
Pryne & Co.
Robbins & Meyers
Russell & Co.
Samson United Corp.
Shepler Mfg. Co.
Signal Elec. Mfg. Co.
Smallcomb Elec. Co.
A. B. Smedley
Solen Co., Albert M.
Taufenbach Co., Les
Trade-Wind Motorfans, Inc.
Wagner Elec. Corp.
Westinghouse Elec. Corp.

Fans, Kitchen Ventilating

Broan Mfg. Co., Inc.
Electromode Corp.
General Electric Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Nicholas Co., F. M.
Russell & Co.
Signal Electric Mfg. Co.
Smallcomb Elec. Co.
Trade-Wind Motorfans, Inc.
Wagner Elec. Corp.
Westinghouse Elec. Corp.

Farm Electrification Equipment

M. B. Austin Co.
E. B. Cook
O. W. Coombs
Crouse Hinds Co.
General Elec. Co.
General Elec. Supply Corp.
General Switch Corp.
Graybar Elec. Co., Inc.
The Jones Metal Prod. Co.
Joslyn Pacific Co.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
J. G. Pomeroy Co.
Westinghouse Elec. Corp.

Filters

Cornell-Dubilier Corp.
General Elec. Co.
General Elec. Supply Corp.
Graybar Electrical Co., Inc.
Montgomery Bros.
Owens-Corning Fiberglas Corp.
Smallcomb Elec. Co.
Tri-State Supply Corp.
Westinghouse Elec. Corp.
Wood, T. S.

Fireplace Equipment

Gough Industries, Inc.
Shepler Mfg. Co.
Strait & Richards, Inc.
Westinghouse Elec. Corp.

Fire-Proofing

Johns Manville Corp.
Rockbestos Prod. Corp.

Fittings, Conduit

(See Conduit Fittings)

Fittings, Copper Conductor

M. B. Austin Co.
Jasper Blackburn Products Corp.
Buchanan Elec'l Prod. Corp.
Burndy Eng'g Co.
Delta Star Elec. Co.
Electrical Engineers Equipt. Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Electrical Co., Inc.
James R. Kearney Corp.
Joslyn Pacific Co.
Kirk-Palka Co.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Nicholas Co., F. M.
Oliver Iron & Steel Corp.
O. Z. Elec'l Mfg. Co.
Pacific Elec. Mfg. Corp.
Penn-Union Elec. Corp.
J. G. Pomeroy & Co.
Reliable Elec. Co.
H. B. Sherman Mfg. Co.
A. B. Smedley
Waltham, DeWitt & Krusi

Fittings, Fixture

Benjamin Elec. Mfg. Co.
Buchanan Elec'l Products
Faries Mfg. Co.
Mundstock, James
Nicholas, F. M.
Noel Co., Ray J.
Steel City Elec. Co.

Fittings, Insulator

Kenneth M. Anderson Co.
Brewer-Titchener Corp.
Buchanan Electrical Prod. Corp.
Delta Star Elec. Co.
Elec. Engrs. Equipment Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Electric Co.
Honn Co., Geo. E.
Hubbard & Co.

Fittings, Insulator—Continued

Jeffery-Dewitt (Line Material Co.)
Kirk-Palka Co.
Kortick Mfg. Co.
Lapp Insulator Co., Inc.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.
Nicholas, F. M.
Ohio Brass Co.
Penn-Union Elec. Corp.
R. Thomas & Sons Co.
Victor Insulators, Inc.
Westinghouse Elec. Corp.

Fittings, Marine

Bracken Sales Agency
General Elec. Supply Corp.
"Hock" Ensmith Sales Co.
Multi Elec. Mfg. Co.
James Mundstock

Fittings, Pipe & Structural

Delta Star Elec. Co.
Elec'l Engrs. Equip. Co.
General Elec. Co.
C. E. Ingalls & Sons
Kirk-Palka Co.
Line Material Co., Div. McGraw Elec.
Squires & Marshall
Unistrut Products
Westinghouse Elec. Corp.

Fixtures, Lighting

Anderson Co., Kenneth
Appleton Electric Co.
Associated Lighting Service
Bakeman & Associates, C. T.
Benjamin Elec. Mfg. Co.
Joe Blonder Agencies
Bracken Sales Agency
Bright Light Reflector Co., Inc.
E. B. Cook
O. W. Coombs
Crouse Hinds Co.
Curtis Lighting, Inc.
Day-Brite Lighting, Inc.
Electric Agencies, Inc.
Federal Enterprises, Inc.
Fluorescent Fixtures of Calif.
General Elec. Supply Corp.
Gough Industries, Inc.
Gray Co., Geo. A.
Graybar Electrical Co., Inc.
Edwin F. Guth Co.
Henkel, F. C.
"Hock" Ensmith Sales
Holophane Co., Inc.
Hubbard & Co.
Jones Metal Products
Levin, M.
Killark Elec. Mfg. Co.
Line Material Co., Div. McGraw Elec.
McGuire, Wm. A.
Miller Co.
James Mundstock
Nicholas Co., F. M.
Noel Co., Ray J.
Overbagh & Ayres Mfg. Co.
Pass & Seymour, Inc.
J. G. Pomeroy Co.
Pyle-National Co.
Sheeter, Hugh X.
Silvray Lighting Co.
A. B. Smedley
Smoot-Holman Co.
H. B. Squires Co.
Sylvania Elec. Products Co.
The Wakefield Brass Co.
Wheeler Reflector Co.
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co.

Flashers

Control Corp.
Crouse-Hinds Co.
General Elec. Supply Corp.
Graybar Electrical Co., Inc.
L. A. Nott
Sangamo Elec. Co.
Westinghouse Elec. Corp.

Flashlights

Bright Star Battery Co.
Gough Industries, Inc.
Graybar Electrical Products Co.
Ideal Industries, Inc.
National Carbon Co.

Floodlights

Appleton Electric Co.
Associated Lighting Service
Bakeman & Associates, C. T.
Benjamin Elec. Mfg. Co.
Benz, Fred D.
Best, Ken H.
Bracken Sales Agency
Bran Co., Frank H.
Bright Light Reflector Co.
E. B. Cook
O. W. Coombs
Crouse Hinds Co.
Curtis Lighting, Inc.
Electric Agencies, Inc.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
"Hock" Ensmith Sales
Jones Metal Products Co.
Killark Elec. Mfg. Co.
Kees Mfg. Co.
Line Material Co., Div. McGraw Elec.
Litecraft Mfg. Corp.
Multi Electrical Mfg. Co.
Northwestern Agencies
F. M. Nicholas Co.
Overbagh & Ayres Mfg. Co.
Panama Lamp & Commercial Co.
Pittsburgh Reflector Co.
Pyle-National Co.
Quadrangle Mfg. Co.
Reliance Sales, Inc.
Revere Elec. Mfg. Co.
S & M Lamp Co.
Sheeter, Hugh X.
A. B. Smedley
Smoot-Holman Co.
Stone Elec. Co.
Sylvania Elec. Products Co.
Waltham, DeWitt & Krusi
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co.

Fluorescent, Fixtures & Accessories

All Bright Electric Products
Allen & Olsen Mfg. Co.
Appleton Elec. Co.
Associated Lighting Service
Bakeman & Associates, C. T.
Benjamin Elec. & Mfg. Co.
Benz Co., Fred D.
Joe Blonder Agencies
Bracken Sales Agency
The Frank H. Bran Co.
Bright Light Reflector Co.
Colonial Elec. Products, Inc.
Columbia Elec. & Mfg. Co.
E. B. Cook Co.
Crouse-Hinds Co.
Curtis Lighting, Inc.
Day-Brite Lighting, Inc.
Electric Agencies, Inc.
Electro Mfg. Co.
Federal Enterprises, Inc.
Fleur-O-Lier Mfrs.
Fluorescent Fixtures of California
Fowler Co., M. L.
General Elec. Co.
General Elec. Supply Corp.
General Luminescent Corp.
Globe Lighting Prod., Inc.
Gough Industries, Inc.
Gratiot & Sons, C. J.
Geo. A. Gray Co.
Graybar Elec. Co.
Edwin F. Guth Co.
F. C. Henkel
"Hock" Ensmith Sales

M. LEVIN
Direct Factory Representative for Northwest Territory
Oregon - Washington - Montana
Idaho - Utah - Wyoming
Devises — Fuses — Fans
Fittings — Fixtures — Tape
2438 S.W. 4th Avenue
Portland 1, Oregon

Holophane Co., Inc.
Industrial Electronics
JWRCo., Inc.
Kulka Elec. Mfg. Co.
Leader Electric Mfg. Corp.
Levin, M.
Lighting Products Inc.
McGillan Sales Co.
McGuire, W. A.
Miller Co.
Mitchell Mfg. Co.
Moe Bridges
Multi Electric Co.
James Mundstock
F. M. Nicholas Co.
Noel Co., Ray J.
Panama Lamp & Commercial Co.
Pass & Seymour, Inc.
Penning, J. R.
Oscar Phillips Co.
J. G. Pomeroy
Quadrangle Mfg. Co.
Reliance Sales, Inc.
Sales Engineers, Inc.
Sheeter, Hugh X.
A. B. Smedley
Smitheraft Lighting Division
Smoot-Holman Co.
H. B. Squires Co.
Sunbeam Lighting Co.
Sylvania Elec. Products, Inc.
F. W. Wakefield Brass Co.
Westinghouse Elec. Corp.
Wheeler Reflector Co.
Wuelker Infra-Red & Lighting Co.

Fluorescent Lacquers

Keese Engineering Co.
General Elec. Supply Corp.
General Luminescent Corp.
Graybar Elec. Co.
Industrial Electronics
Panama Lamp & Com'l Co.
A. B. Smedley
Sylvania Elec. Prod., Inc.
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co.

FAN AND BLOWER HEADQUARTERS

JOBBERS FOR . . .
Whirlwind Air Circulators
Torrington Fan Blades
ILG Fans & Blowers
Chelsea Fans

Peerless Fans & Blowers
Signal Fans & Blowers
Debothezat Fans & Wheels
Utility Fans, Blowers & Coolers
M & E Spray Booth Fans
Trade-Wind Clipper Exhausters

Air Flo Automatic Shutters
Owens-Corning Glass Filters
Master Blowers
Sausse Vibration Dampeners
Electra Motors
Universal Motors

Browning V-Belt Drives
"Keep Klean' 'Fan Covers
Atlas-Aire Window Fans
Mitchell Room Air Conditioners
Delco Motors

SMALLCOMB ELECTRIC CO.
1120 South Main Street LOS ANGELES Ph.: RIchmond 7-0221

Fluorescent Lamp Disposal

Laduby Co., Inc.

Flur-O-Locks
FOR SAFETY
LOCK FLUORESCENT LAMPS
AGAINST ACCIDENT HAZARDS

Flur-O-Lamp Disposal
TO DISPOSE OF
BURNED OUT FLUORESCENT LAMPS

•

LADUBY COMPANY INC.
P. O. Box 88 BRANFORD, CONN.

Fluxes, All Types

L. B. Allen Co.
General Elec. Co.
H. B. Squires Co.

Furnaces, Electric

E. B. Cook Co.
General Elec. Co.
Graybar Electrical Co., Inc.
Kirk-Palka Co.
Kuhlman Elec. Co., Detroit Elec. Furnace Div.
Randolph Co., H. J.
Lombard Smith
H. B. Squires Co.
Westinghouse Elec. Corp.
E. A. Wilcox Co.

Fuse Clips

Bussmann Mfg. Co.
John Carder, Jr., Co.
Elec. Specialty Co.
Ilsco Copper Tube & Prod.
H. B. Sherman Mfg. Co.
H. H. Van Luven

Fuses

Anderson Co., Kenneth
The Frank H. Bran Co.
Benz Co., Fred D.
Bussmann Mfg. Co.
A. B. Chance Co.
J. M. Chapman Co.
Cole Electric Co.
Earl S. Condon Co.
Economy Fuse & Mfg. Co.
Electric Agencies, Inc.
Electrical Engineers Equip. Co.
Electrical Specialty Co.
General Electric Co.
General Elec. Supply Corp.
Gratiot & Sons, C. J.
Gough Industries, Inc.
Geo. E. Honn Co.
Industrial Eng. & Equip. Co.
C. E. Ingalls & Sons
Industrial Electronics
JWRCo., Inc.
James R. Kearney Corp.
Killark Elec. Mfg. Co.
Levin, M.
Line Material Co., Div. McGraw Elec.
Joseph Liner
McGillan Sales Co.
W. N. Matthews Corp.
Maydwell & Hartzell, Inc.
F. M. Nicholas Co.
Northwestern Agencies
Pacific Elec. Mfg. Corp.
Panama Lamp & Commercial Co.
Pierce Renewable Fuses
Prussia Co., Robt. B.
Randolph Co., H. J.
Reliable Elec. Co.
S & C Elec. Co.
Southern States Equipment Corp.
Square D Co.
Trico Fuse Mfg. Co.
H. H. Van Luven Co.
Walter E. Wallace
Ware Fuse Corp.
Westinghouse Elec. Corp.
Tom Wood

Generators & Equipment

Allis-Chalmers Mfg. Co.
Campbell & George Co.
Carlson, Fred W.
Easterbrook, H. D.
Electric Equipment Co.
Electrical Specialty Co.
General Elec. Co.
Gough Industries, Inc.
Kato Engineering Co.
Keystone Carbon Co.
McCulloch Motors Corp.
Mullenbach Elec. Mfg. Co.
Pacific Transformer Co., Inc.
Robbins & Myers, Inc.
Routh Co., T. R.
Schueler & Weston
Lombard Smith
Somerville, G. N.
Westinghouse Elec. Corp.

Gloves, Protective

Dickson, A. L.
Western Hdwe & Tool Co.
Wickman Glove
Wiex-Merit Glove Co.

Graphite Products

Helwig Co.
National Carbon Co., Inc.
Ohio Carbon Co.

F. M. NICHOLAS CO.

Representing

BUCHANAN ELECTRICAL PRODUCTS CORP.
Pressure Connectors, Bushends, Terminal Blocks

CHELSEA FAN AND BLOWER CO.
Exhaust Fans, Blowers, Ventilating Equipment

FEDERAL ENTERPRISES, INC.
Horns, Sirens, Bells and Control Equipment

GREAT WESTERN FUSE CO.
Plug Fuses, Renewable and Non-renewable Cartridge Fuses

HOLUB INDUSTRIES, INC.
Wire Connectors, Strippers, Anchors, Fish Tape and Reels

ILLINOIS ELECTRIC PORCELAIN CO.
Knobs, Tubes, High and Low Voltage Insulators

KILLARK ELECTRIC MFG. CO.
Conduit Fittings, Vapor-Tight Lights, Explosion-Proof Fittings and Fixtures

PENN-UNION ELECTRIC CORP.
Solderless Connectors, Lugs and Fittings

PYRAMID INSTRUMENT COMPANY
Amprobe—Volt—Ammeter

WAREHOUSE STOCKS MAINTAINED

140 Spear Street, San Francisco 5, YUkon 2-1964

Grinders, Portable

Campbell & George
Denham Sales Service
General Elec. Supply Corp.
Graybar Electrical Co., Inc.
Ideal Industries Inc.
F. M. Nicholas Co.

Grounding Devices

Agencies Co.
Eichorn & Melchior
General Elec. Supply Corp.
O. Z. Elec'l Mfg. Co.

Ground Rods

M. B. Austin Co.
Jasper Blackburn Products Corp.
Copperweld Steel Co.
General Elec. Supply Corp.
Gough Industries, Inc
Graybar Elec. Co.
Hubbard & Co.
C. E. Ingalls
Joslyn Pacific Co.
Jas. R. Kearney Corp.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.
National Carbon Co., Inc.
Oliver Iron & Steel Corp.
Reliable Elec. Co.

Hangers, Cable—Conduit Box

Associated Sales Engineers
All-Steel Equip. Co.
Appleton Elec. Co.
M. B. Austin Co.
Burndy Eng. Co. Inc.
Crouse Hinds Co.
General Elec. Co.
General Electric Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Ernest F. Hauck
George E. Honn Co.
Hubbard & Co.
James R. Kearney Corp.
Kindorf Co.
Kortick Mfg. Co.
Kwikon
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Mineralac Elec. Co.
National Elec. Prod. Co.
Nat'l Tele. Supply Co.
Reliable Elec. Co.
A. B. Smedley Co.
Square D Co.
Squires & Marshall
Stent City
Unistrut Products Co.

Heaters, Air

Benz Co., Fred D.
Bran Co., Frank H.
Ceazan Co., J. N.
Condon Co., Earl S.
E. B. Cook Co.
O. W. Coombs
Copperweld Steel Co.
Electromode Corp.
General Elec. Co.
General Electric Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
"Hoek" Ensmith Sales Co.
JWR Co.
Kirk-Palka Co.
Landers, Frary & Clark
La Salle Lighting Prod., Inc.
Markel Elec. Prod., Inc.
McMillen & Stanley Co.
Montgomery Bros.
Randolph Co., H. J.
Russell & Co.
Lombard Smith
Smallcomb Elec. Co.
Solen Co., Albert M.
Thermador Elec'l Mfg. Co.
Trade-Winds Motorfans
Wesix Elec. Heater Co.
Westinghouse Elec. Corp.

Heaters, Industrial

General Electric Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Rockbestos Prod. Corp.
Russell & Co.
Smallcomb Elec. Co.
Westinghouse Elec. Co.

Heaters, Explosion Proof

Electromode Corp.
Russell & Co.

Heaters, Portable

O. W. Coombs
Electromode Corp.
General Electric Co.
General Elec. Supply Corp.
Lindsey, Harry N.
La Salle Lighting Prod. Co.
Markel Elec. Prod. Co.
Russell & Co.
Shepler Mfg. Co.
Thermador Electrical Mfg. Co.
Wesix Elec. Heater Co.
Westinghouse Elec. Corp.

Heaters, Water

Ceazan Co., J. N.
Clark Water Heater Div., of McGraw Electric
Electromaster, Inc.
Fridigaire Div. General Motors
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Landers, Frary & Clark
Montgomery Bros.
Russell & Co.
Thermador Elec'l Mfg. Co.
Wesix Elec. Heater Co.
Westinghouse Elec. Corp.

Heating Element

E. B. Cook Co.
Driver-Harris Co.
Kirk-Palka Co.
Landers, Frary & Clark
Montgomery Bros.
Thermador Elec. Mfg. Co.
Wesix Electric Heater Co.

Heating Element, Infrared

Graybar Elec. Co.
No. American Elec. Lamp Co.
Panama Lamp & Com'l Co.
Westinghouse Elec. Corp.
Wuelker Infra-Red & Ltg. Co.

Heating Pads

General Elec. Co.
General Elec. Supply Corp.
Landers, Frary & Clark
Westinghouse Elec. Corp.

Horns, Electric

Federal Enterprises, Inc.
Graybar Elec. Co.
F. M. Nicholas Co.
Sperti-Faraday

Incandescent Fixtures & Accessories

Allied Industries
Benjamin Elec. Mfg. Co.
Benz Co., Fred D.
Bracken Sales Agency
Bran Co., Frank H.
Champion Lamp Works
E. B. Cook
Crouse-Hinds Co.
Curtis Lighting, Inc.
Day Brite Lighting
Electric Agencies, Inc.
Fowler Co., M. L.
Gen. Elec. Supply Corp.
General Lighting Co.
Gough Industries, Inc.
Graybar Elec. Co.
Edwin F. Guth Co.
Henkel, F. C.
Holophane Co. Inc.
Industrial Electronics Corp.
Jones Metal Prod. Co.
JWRCo., Inc.
Killark Elec. & Mfg. Co.
Line Material Co., Div. McGraw Elec.
Litecraft Mfg. Corp.
McGuire, W. A.
McMillen & Stanley Co.
Multi Electrical Mfg. Co.
James Mundstock
F. M. Nicholas Co.
Northwestern Agencies
Overbagh & Ayres Mfg. Co.
Panama Lamp & Com. Co.
Penning, J. R.
J. G. Pomeroy
Pressteel Co.
Pryne & Co.
Sheeter, Hugh X.
Smoot-Holman Co.
H. B. Squires Co.
F. W. Wakefield Brass Co.
Westinghouse Elec. Corp.

Infrared Equipment

F. J. Airey Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
JWRCo., Inc.
McMillen & Stanley Co.
Mitchell Mfg. Co.
Noel Co., Ray J.
North American Electric Lamp Co.
Panama Lamp & Com. Co.
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co.

INFRA RED OVENS
Any Size or Capacity
PORTABLE HEATMOBILE UNITS
"Cel-O-Sealer"
Dries seals on necks of wine bottles or any size container.
We have the answer to your INFRA RED and Lighting problems.
Since 1920
WUELKER
INFRA RED and LIGHTING CO.
1445 Stevenson St., San Francisco 3
HEmlock 1-2470
DISTRIBUTING ENGINEERING
"Infra Red and Induction Heating Made to Your Order"

Instrument, Measuring and Recording

See Ammeters, Ohmmeters, Voltmeters.

Insulating Materials

F. J. Airey Co.
American Steel & Wire Co.
Anaconda Wire & Cable Co.
Anderson Co., Kenneth
Benz Co., Fred D.
Ken H. Best
Bishop Mfg. Corp.
Bran Co., Frank H.
Clifton Mfg. Co.
Electrical Specialty Co.
General Elec. Co.
General Elec. Supply Corp.
P. D. George Co.
Gough Industries, Inc.
Graybar Elec. Co.
Insulation & Wires, Inc.
Irvington Varnish & Ins. Co.
C. D. LaMoree
Marwood, Ltd.
Minerallac Elec. Co.
Minnesota Mining & Mfg. Co.
C. H. Mitchell Co.
National Varnished Prod.
F. M. Nicholas Co.
Owens-Corning Fiberglas Corp.
Rome Cable Corp.
Schenectady Varnish Co., Inc.
Schueler & Weston
Tri-State Supply Corp.
Van Cleef Bros., Inc.
W. E. Wallace Co.

Insulation

Wm. Brand & Co.
Electrical Specialty Co.
General Elec. Co.
Gough Industries, Inc.
Graybar Elec. Co.
"Hock" Ensmith Sales Co.
Insulation & Wires
Irvington Varnish & Insulator Co.
Johns-Manville Corp.
Kerite Co.
C. D. LaMoree
Lapp Insulator Co.
New England Mica Prod.
Ohio Brass Co.
Owens-Corning Fiberglas Corp.
A. B. Smedley Co.
Rome Cable Corp.
Tri-State Supply Corp.
U. S. Rubber Co.
Van Cleef Bros., Inc.
Victor Insulators, Inc.
Westinghouse Elec. Corp.

Insulators, Glass

Agencies Co.
Brewer-Titchener Corp.
Condon Co., Earl S.
General Elec. Supply Corp.
Graybar Elec. Co.
Jeffery-Dewitt (Line Material Co.)
Joslyn Pacific Co.
Line Material Co., Div. McGraw Elec.
Liner, Joseph
Maydwell & Hartzell, Inc.
H. H. Van Luven
Waltham, De Witt & Krusi
Tom Wood

Insulator Hardware

(See Fittings, Insulators)

Insulators, Porcelain

Agencies Co.
Allied Industries
Ken H. Best
Brewer-Titchener Corp.
Earl S. Condon Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Hockensmith Sales
Geo. E. Honn Co.
Hubbard & Co.
Illinois Elec. Porcelain Co.
Industrial Eng. & Equip. Co.
Ingalls, C. E.
Jeffery-Dewitt, Div. Line Material Co.
Joslyn Pacific Co.
F. D. Kees Mfg. Co.
Lapp Insulator Co.
Line Material Co., Div. McGraw Elec.
Liner, Joseph
Locke, Dept. of GE Co.
Maydwell & Hartzell, Inc.
F. M. Nicholas Co.
Ohio Brass Co.
Porcelain Insulator Co.
Porcelain Products Inc.
T. R. Routh Co.
Schueler & Weston
R. Thomas & Sons Co.
H. H. Van Luven
Victor Insulators, Inc.
Westinghouse Elec. Corp.

Intercommunicating Systems

Agencies Co.
Kenneth M. Anderson Co.
Brainard, W. V.
Electric Agencies, Inc.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Ohio Carbon Co.
Sperti-Faraday
Van Luven Co., H. H.
Webster Elec. Co.

Ironers

Bendix Home Appliances, In.
J. N. Ceazan Co.
Frigidaire Div. General Motors
Gough Industries, Inc.
General Elec. Co.
General Elec. Supply Corp.
General Mills
Landers, Fray & Clark
Proctor Electric Co.
Westinghouse Elec. Corp.

Knobs, Porcelain, Plastic

Allied Industries
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Frank W. Gorman
"Hock" Ensmith Sales
Hubbard & Co.
Illinois Elec. Porcelain Co.
Joslyn Pacific Co.
Knox Porcelain
Line Material Co., Div. McGraw Elec.
Lint Co., Clyde W.
Maydwell & Hartzell, Inc.
Mitchell Co., C. H.
F. M. Nicholas Co.
Porcelain Products, Inc.
R. Thomas & Sons Co.

Ladders, Hydraulic, Aerial

McCabe Powers Auto Body Co.

Lamp Guards

Crouse Hinds Co.
Day-Brite Lighting, Inc.
Ericson Co.
General Elec. Supply Corp.
Gough Industries, Inc.
George A. Gray Co.
Graybar Elec. Co.
Line Material Co., Div. McGraw Elec.
W. N. Matthews Corp.
McGill Mfg. Co.
J. G. Pomeroy Co.
John B. Tubergen
W. E. Wallace Co.

Lamps, Health & Sun

Benjamin Elec. & Mfg. Co.
California Ultraviolet Co.
Ceazan Co., J. N.
Keese Eng. Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Henkel, F. C.
McCall's Desert-Air Lamps
Miller Co.
Mitchell Mfg. Co.
North American Elec. Lamp Co.
Panama Lamp & Commercial Co.
Sperti-Faraday
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co.

Lamp Holders, Receptacles

Cook Co., E. B.
Curtis Lighting, Inc.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
George A. Gray Co.
Graybar Elec. Co.
Laduby Co., Inc.
McGill Mfg. Co.
Panama Lamp & Commercial Co.
Pass & Seymour, Inc.
J. G. Pomeroy Co.
Prussia Co., Robt. R.
Sylvania Elec. Prod. Co.
Union Insulating Co., Inc.

Lamps, Fluorescent

Colonial Elec. Products
General Elec. Co.
General Elec. Supply Corp.
Gough Industries
Graybar Elec. Co., Inc.
Gratiot & Sons, C. J.
Panama Lamp & Commercial Co.
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co.

Lamps, Incandescent

The Frank H. Bran Co.
Champion Lamp Works
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Gratiot & Sons, C. J.
Graybar Elec. Co.
Industrial Electronics
Line Material Co., Div. McGraw Elec.
North American Elec. Lamp Co.
Panama Lamp & Commercial Co.
Sheeter, Hugh X.
Sylvania Elec. Products, Inc.
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co.

Lamps, Mercury Vapor

Benjamin Elec. Mfg. Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Edwin F. Guth Co.
Industrial Electronics
Keese Eng. Co.
Miller Co.
Overbagh & Ayres Mfg. Co.
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co.

Lamps, Portable, Clamp

Associated Lighting Service
Bussmann Mfg. Co.
Collyer Ins. Wire & Cable
Crouse-Hinds Co.
Day Brite Lighting Inc.
Ericson Mfg. Co.
General Elec. Supply Corp.
Edwin F. Guth Co.
Levin, M.
Lightolier Co.
Lighting Products Corp.
W. N. Matthews Corp.
Miller Co.
Mitchell Mfg. Co.
North American Elec. Lamp Co.
Swiveller Co.
Sylvania Elec. Prod.
F. W. Wakefield Brass Co.
Westinghouse Elec. Corp.

C. D. LaMOREE
ELECTRICAL INSULATION
The Spaulding Fibre Co., Inc.
Fibre—Spauldite
Spaulda and Transformer Board
Irvington Varnish & Insulator Co.
Varnish & Varnished Products
The Hope Webbing Co., Inc.
Electric Tapes and Sleevings
Glasflex
Owen Corning Fibreglas Corp.
Fibreglas Tapes, Sleevings and Tying Cords
Dow Corning Corp.
Silicones
Varnish and Motor Insulation
The Macallen Co.
Mica and Mica Products
Industrial Tape Corp.
Pressure Sensitive Electrical Tapes
LOS ANGELES 15 1325 San Julian St.
BERKELEY 10 2221 Fourth St.
PORTLAND 9 317 N.W. Broadway
SEATTLE 1 166 Jackson St.

Lamp Replacers

Geo. A. Gray Co.
Graybar Elec. Co.
Joslyn Pacific Co.
Line Material Co., Div. McGraw Elec.
W. N. Matthews Corp.
McGill Mfg. Co.
J. G. Pomeroy Co.
Waltham De Witt & Krusi
Westinghouse Elec. Corp.

Lamp, Spot

(see Floodlights)

Lighting Equipment

Agencies Co.
All Bright Elec. Prod. Co.
Appleton Elec. Co.
Associated Lighting Service
Bakeman & Associates, C. T.
Benjamin Elec. Mfg. Co.
Bracken Sales Agency
Bran Co., Frank H.
Bright Light Reflector Co.

BRACKEN SALES AGENCY
923 E. Third St.
Los Angeles 13, Calif.
MA 6-2766
William W. "Bill" Bracken
Representing:
Revere Elec. Mfg. Co.
Stockwell Transformer Corp.
Bartlett Mfg. Co.
Meierjohan-Wengler Co.

Lighting Equipment—Continued

Champion Lamp Works
E. B. Cook Co.
O. W. Coombs
Crouse-Hinds Co.
Curtis Lighting, Inc.
Day-Brite Lighting, Inc.
Electro Mfg. Co.
Federal Enterprises, Inc.
Fluorescent Fixture of Calif.
Fowler Co., M. L.
General Elec. Co.
General Elec. Supply Corp.
General Lighting Co.
General Luminescent Corp.
Globe Lighting Prod., Inc.
Gough Industries, Inc.
Geo. A. Gray Co.
Graybar Elec. Co.
Edwin F. Guth Co.
Henkel, F. C.
Holophane Co., Inc.
"Hock" Ensmith Sales Co.
Jones Metal Products Co.
Kesse Eng. Co.
Killark Elec. Mfg. Co.
Line Material Co., Div. McGraw Elec.
Lindsey, Harry N.
Markel Elec. Prod., Inc.
McGillan Sales
McGuire, William A.
Miller Co.
Mitchell Mfg. Co.
Mullenbach Elec'l Mfg. Co.
James Mundstock
Murphy-Hain Co.
Nicholas Co., F. M.
North American Elec. Lamp Co.
Northwestern Agencies
Panama Lamp & Commercial Co.
Pittsburgh Reflector Co.
J. G. Pomeroy Co.
Pressteel Co.
Quadrangle Mfg. Co.
Reliance Sales
RLM Standards Institute, Inc.
Russell & Stoll
S & M Lamp Co.
Sheeter, Hugh X.
A. B. Smedley Co.
Smoot-Holman Co.
Square D Co.
H. B. Squires Co.
Sylvania Elec. Products Co.
Union Insulating Co.
The Wakefield Brass Co.
Westinghouse Elec. Corp.
Wheeler Reflector Co.
Wuelker Infra-Red & Lighting Co.

For Better LIGHTING —It's PANAMA

Exclusive Representatives and Distributors for:

- **Champion Lamp Works** Fluorescent Tubes and Incandescent Lamps
- **Geringer & Sons Mfg. Corp.** Residential Lighting Fixtures
- **Lincoln Lighting Products, Inc.** "Moderne" Spotlights, Brackets and TV Lamps
- **Marvel Fluorescent Mfg.** "Double-Life" Fluorescent Starter
- **Mattox Machine** Aluminum Weatherproof Mogul Lamp Holder
- **M. Black Mfg. Co.** Castline Floodlight Assemblies
- **Safety Electric Co.** Carbon, Infra Red and Therapeutic Lamps
- **Slade Mfg. Co.** Wiring Devices
- **Supreme Lighting Co.** Fluorescent Fixtures

WAREHOUSE STOCKS AT: San Francisco, Los Angeles, Seattle

PANAMA LAMP & COMMERCIAL CO., INC.
for better lighting — it's PANAMA

326 So. San Pedro St. Los Angeles 13 Phone: Michigan 0318
815 Howard St. San Francisco 3 Phone: DO. 2-1130
568 1st Ave. So. Seattle 4 Phone: MUtual 2554

JAMES MUNDSTOCK

320 Market St., San Francisco 11, Calif.
Telephone: YUkon 6-3935

Exclusive representative for Northern California and Western Nevada

Hub Electric Co., Chicago, Illinois Lighting Equipment and Stage Dimmer Boards

The Frink Corporation, Long Island City, N. Y. Linolite Fluorescent Fixtures and Custom Lighting

Lighting Products, Inc., Highland Park, Illinois Fluorescent Fixtures, Panelux, Luv-R-Lok

Winfield Metal Products Corp., Chicago, Illinois Anglelites and Special Fluorescent Fixtures

Kulka Electric Mfg. Co. Mt. Vernon, N. Y. Electrical Wiring Devices

Zenith Electric Co., Chicago, Illinois Automatic Control Equipment & Timers.

Monticello Specialties Co., New York City, N. Y. Fittings and Hardware for Lighting Industry

Stocker & Yale, Marblehead, Mass. Lite-Mite, Industrial & Laboratory Lights

Lighting Equipment, Outdoor

Allied Industries
Appleton Elec. Co.
Bakeman & Associates, C. T.
Benjamin Elec. Mfg. Co.
Benz Co., Fred D.
Bracken Sales Agency
Bran Co., Frank H.
Bright Light Reflector Co., Inc.
E. B. Cook Co.
Crouse-Hinds Co.
Electric Agencies, Inc.
Federal Enterprises
General Elec. Co.
Gen. Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Henkel, F. C.
"Hock" Ensmith Sales Co.
Holophane Co., Inc.
Hubbard & Co.
The Jones Metal Prod. Co.
Joslyn Pacific Co.
Line Material Co., Div. McGraw Elec.
Liner, Joseph
McGuire, William A.
Marco Industries Co.
F. M. Nicholas Co.
Northwestern Agencies
Penning, J. R.
Phillips Co., Oscar
Pittsburgh Reflector Co.
Pomeroy Co., J. G.
Quadrangle Mfg. Co.
Revere Elec. Mfg. Co.
S & M Lamp Co.
Sheeter, Hugh X.
A. B. Smedley Co.
Square D Co.
Smoot-Holman Co.
Sylvania Elec. Products Co.
Union Insulating Co.
Walter E. Wallace Co.
Westinghouse Elec. Corp.
Wheeler Reflector Co.
Wuelker Infra-Red & Lighting Co.

Lighting Glassware

Associated Lighting Service
Joe Blonder Agencies
E. B. Cook Co.
General Elec. Co.
General Elec. Supply Corp.
Lindsey, Harry N.
Line Material Co., Div. McGraw Elec.
Nicholas Co., F. M.
Wuelker Infra-Red & Lighting Co.

Lightning Arresters

(See Arresters)

Line Material

Agencies Co.
Kenneth M. Anderson Co.
Bethlehem Steel Co.
Brewer-Titchener Co.
A. B. Chance Co.
Four Wheel Drive Auto Co.
Frank W. Gorman
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Hubbard and Company
Hughes Bros.
James R. Kearney Corp.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Malleable Iron Fittings Co.
Maydwell & Hartzell, Inc.
National Elec. Prod. Co.
Ohio Brass Company
Penn-Union Elec. Corp.
Waltham DeWitt & Krusi
Reliable Elec. Co.
Western Hardware & Tool Co.

Linemen's Tools

Best, Ken H.
Bracken Sales Agency
A. B. Chance Co.
Dickson, A. L.
Graybar Elec. Co.
Industrial Safety Belt Corp.
Kearney Corp., James R.
Kortick Mfg. Co.
Mathias Klein & Sons
Maydwell & Hartzell, Inc.
Pomeroy, J. G., Co.
Randolph Co., H. J.
Western Hardware & Tool Co.

"BUCKINGHAM" Tool Belts

WESTERN HDWE. & TOOL CO.
122 10th St., San Francisco, Calif.
Write for FREE catalog No. 10

Lead Centers

Agencies Co.
Allis-Chalmers Mfg. Co.
Anchor Mfg. Co.
Federal Elec. Prod. Co.
General Electric Co.
General Switch Corp.
Moloney Elec. Co.
Mullenbach Elec'l Mfg. Co.
Murray Mfg. Corp.
Square D Co.
Trumbull, Dept. GE Co.

Lugs

Anderson Co., Kenneth
The M. B. Austin Co.
Blackburn Prod. Corp., Jasper
The Frank H. Bran Co.
Buchanan Elec. Prod. Corp.
BullDog Elec. Products Co.
Burndy Eng'g Co.
Carder Co., John
Cole Instrument Co.
Delta Star Elec. Co.
Eichorn & Melchior
Electric Agencies, Inc.
Electrical Engineers Equip. Co.

William A. McGuire
Representing
F. W. WAKEFIELD BRASS CO.
HUB ELECTRIC COMPANY
SIMPLET ELECTRIC COMPANY
THE ERICSON MFG. CO.
923 E. 3rd Street Michigan 6828
Los Angeles 13, Calif.

Electrical Specialty Co.
General Elec. Co.
Gough Industries, Inc.
Graybar Elec. Co.
Geo. E. Honn Co.
Ideal Industries Inc.
Ilsco Copper Tube & Prod. Co.
Kirk-Palka Co.
Kulka Elec. Mfg. Co.
Matthews Corp., W. N.
Mullenbach Elec'l. Mfg. Co.
National Elec. Prod. Co.
F. M. Nicholas Co.
Northwestern Agencies
O. Z. Electrical Mfg. Co.
Penn-Union Elec. Corp.
Rusgreen Mfg. Co.
Safety Switchboard Co.
Schueler & Weston
H. B. Sherman Mfg. Co.
A. B. Smedley
Square D Co.
Trumbull, Dept. GE Co.
Waltham, DeWitt & Krusi
Westinghouse Elec. Corp.

Luminous Ceiling

Bakeman & Associates, C. T.
Federal Enterprises, Inc.
Martin Elec'l Prod.
McGuire, W. A.
Nicholas Co., F. M.
Squires, H. B.
Wakefield Brass Co., The F. W.

Markers

Ken H. Best
Dickson, A. L.
Elec'l Specialty Co.
General Elec. Co., Chemical Dept.
Nat'l Varnished Prod.

Metal Cabinets, Lockers, Frames

All-Steel Equipment Co.
George A. Gray Co.
Ernest F. Hauck Co.
Unistrut Products Co.
Squires & Marshall

Meters

Associated Research, Inc.
C. C. Blecksmith
Arthur E. Booth
Burlington Instrument Co.
Cole Instrument Co.
Cramer Co., Inc., R. W.
Duncan Elec. Mfg. Co.
General Elec. Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Geo. E. Honn Co.
Maydwell & Hartzell, Inc.
L. A. Nott
Penning, J. R.
Peterson, F. Somers
T. R. Routh Co.
Sangamo Elec. Co.
Thompson, L. W.
Westinghouse Elec. Corp.
T. S. Wood

Meter Sockets, Troughs & Accessories

Anchor Mfg. Co.
Agencies Co.
Anchor Mfg. Co.
Duncan Elec. Co.
General Elec. Co.
Murray Mfg. Co.
Prussia Co., Robt. B.
Schueler & Weston

Mica

Asheville-Schoonmaker Mica Co.
Electrical Specialty Co.
General Elec. Co.
C. D. LaMoree
Marwood Ltd.
C. H. Mitchell Co.
New England Mica Co.
Owens-Corning Fiberglas Corp.
Tri-State Supply Corp.
Westinghouse Elec. Corp.

Mica, Manufactured Products

Asheville-Schoonmaker Mica Co.
Electric Specialty Co.
Insulation & Wires, Inc.
C. D. La Moree
Marwood Ltd.
New England Mica Co.
C. H. Mitchell Co.
Owens-Corning Fiberglas Corp.

Motor Brushes

Helwig Co.
Keystone Carbon Co., Inc.
Ohio Carbon Co.

Motors

Allis-Chalmers Mfg. Co.
Bodine Elec. Co.
Campbell & George Co.
Cramer Co., R. W.
Denham Sales Service
Electric Equipment Co.
Electrical Specialty Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
C. R. Hunt
JWR Co.
Kato Engineering Co.
Landers, Frary & Clark
Lombard Smith Co.
McCulloch Motors Corp.
Robbins & Myers, Inc.
Routh Co., T. R.
Schueler and Weston
Smallcomb Elec. Co.
Somerville, G. N.
H. B. Squires Co.
Wagner Elec. Corp.
Westinghouse Elec. Corp.

Motor Control Equipment

Allen Bradley Co.
Allis-Chalmers Mfg. Co.
Automatic Elec. Mfg. Co.
The Frank H. Bran Co.
Campbell & George Co.
Carlson, Fred W.
Clark Controller Co.
Control Corp.
E. B. Cook Co.
Crouse-Hinds Co.
H. D. Easterbrook
Federal Elec. Products Co.
General Elec. Co.
General Elec. Supply Corp.
Frank W. Gorman
Gough Industries, Inc.
Graybar Elec. Co.
Harold M. Hudson Co.
Mullenbach Elec'l Mfg. Co.
James Mundstock
T. R. Routh Co.
Smallcomb Elec. Co.
Square D Co.
Trumbull, Dept. GE Co.
Westinghouse Elec. Corp.
Young & Co., Robt. A.

Motors, Fractional hp.

Allis-Chalmers Mfg. Co.
Electrical Specialty Co.
Engineering Sales Co.
General Elec. Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Ryals Co., K. M.
Signal Elec. Mfg. Co.
Somerville, G. N.
Wagner Elec. Corp.
Westinghouse Elec. Corp.

Motor-Generators

Allis-Chalmers Mfg. Co.
General Electric Co.
Graybar Elec. Co.
Robbins & Meyers, Inc.
Westinghouse Elec. Corp.

Motor Winding—Repair Equipment

Anderson, Kenneth Co.
Buchanan Elec'l Prod. Co.
Elec'l Specialty Co.
Nicholas Co., F. M.
McGillan Sales Co.
Motorcraft
Northwest Sales & Eng. Service
Insulation & Wires, Inc.
Tri-State Supply Co.

Moulder Metal Products

Keystone Carbon Co., Inc.

KEYSTONE CARBON COMPANY, INC.

SAINT MARYS, PA.

Manufacturers of Slip Ring, Motor and Generator Brushes, Electrical Contacts, Powdered Metal Parts, Negative Temperature Coefficient Resistance Material.

Nails & Staples

Appleton Elec. Co.
The M. B. Austin Co.
Copperweld Steel Co.
Coulson, J. C.
Electric Sales Co.
General Elec. Supply Corp.
Graybar Elec. Co.
C. E. Ingalls
Joslyn Pacific Co.
Kortick Mfg. Co.
Kwikon Co.
Line Material Co., Div. McGraw Elec.
Schueler & Weston

Oil, Lubricating

General Elec. Supply Corp.
Shell Oil Co.
Standard Oil Co.

Oil, Transformer & Switch

General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.

CAMPBELL & GEORGE COMPANY

Manufacturers' Representatives For

Allen-Bradley Co.
Quality motor control

Automatic Control Co.
Liquid level controls
Telemetering controls

Eagle Signal Corporation
Industrial timers

Sorgel Electric Company
Dry type distribution transformers

Counter & Control Corp.
Cyclo-Monitoring Devices

Lexington Electric Prod. Corp.
Fire pump control panels

379 Brannan St. San Francisco 7 DOuglas 2-5073

Line Material Co., Div. McGraw Elec.
Shell Oil Co.
Standard Oil Co.

Paint, Heat Resisting

L. B. Allen Co.
W. P. Fuller Co.
P. D. George Co.
Panama Lamp & Commercial Co.
Standard Oil Co.
Tri-State Supply Corp.

Paint, Metallic

Eichorn & Melchior

Panels, Radiant Heat

(See Radiant Heat)

Panel Boards & Instruments

Allied Industries
Benjamin Elec. Mfg. Co.
BullDog Elec. Products Co.
Burlington Instrument Co.
Carlson, Fred W.
Crouse Hinds Co.
Eichorn & Melchior
Federal Elec. Products Co.
General Elec. Co.
General Elec. Supply Corp.
General Switch Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Henkel, F. C.
Johns-Manville
Kirk-Palka Co.
Meyers Safety Switch Co.
Mullenbach Elec'l. Mfg. Co.
Murray Mfg. Co.
T. R. Routh Co.
Russell & Stoll Co., Inc.
Safety Switchboard Co.
Square D Co.
Trumbull, Dept. GE Co.
Wadsworth Elec. Mfg. Co.
Western Switchboard Co.
Westinghouse Elec. Corp.

Photoelectric Cells

General Elec. Co.
Weston Elec'l Instrument Corp.

Pins, Wood

Agencies Co.
Electrical Engineers Equip. Co.
General Elec. Supply Corp.
Geo. E. Honn Co.
Graybar Elec. Co.
Joslyn Pacific Co.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.

Pipe Threaders

Thread-Ezy Mfg. Co.

Plants, Low-Voltage Lighting

Fairbanks, Morse & Co.
Kato Engineering Co.
Westinghouse Elec. Corp.

Plates, Flush Switch and Outlet

Benz Co., Fred D.
General Elec. Co.
Lint, Clyde W.
Pass & Seymour
Slater Elec. & Mfg. Co.
Union Insulating Co.

C. T. BAKEMAN & ASSOCIATES

445 Bryant EX. 7-8585
San Francisco

Representing
The Best in
Lighting Fixture
Manufacturers

Licensed Installers

The Wakefield Ceiling

Platers

H. D. Easterbrook
W. A. Hesse & Co.
"Hock" Ensmith Sales Co.

Plugs, Receptacles

Kenneth M. Anderson Co.
Appleton Elec. Co.
Benjamin Elec. Mfg. Co.
Buchanan Elec'l Prod. Corp.
Cannon Elec. Co.
E. B. Cook Co.
Crouse-Hinds Co.
Delta Star Elec. Co.
Economy Fuse & Mfg. Co.
Ericson Mfg. Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
George Gray Co.
Graybar Elec. Co.
Kirk-Palka Co.
Maydwell & Hartzell, Inc.
Nicholas, F. M.
Pass & Seymour, Inc.
J. G. Pomeroy Co.
Pyle-National
Soapstone Duct Co.
States Co.
John B. Tubergen
Westinghouse Elec. Corp.

Pole Line Hardware

Agencies Co.
Kenneth M. Anderson Co.
Ken H. Best

KEN H. BEST

Electrical
Manufacturers Representative
541 First Ave., South
Seattle 4, Wash. ELiott 6554

THE R. THOMAS & SONS CO.
Insulators & Hardware

THE EASTERN SPECIALTY CO.
Meter Jewels & Load Boxes

SURETY RUBBER CO.
Lineman's Rubber Gloves

BODENDIECK TOOL CO.
Hot Line Maintenance Tools

PREMAX PRODUCTS
Pole Numbers & Letters

MEMCO ENGINEERING & MFG. CO.
Switchgear & Bus Fittings

BUCKINGHAM—BROOKS—BUHRKE
Lineman's Tools & Accessories
Work Gloves, Tool Buckets & Bags

GEO. E. HONN CO.

420 Market St. San Francisco 11, Calif. Phone: SUtter 1-7352

QUALITY PRODUCTS QUICK SERVICE

Manufacturers' Representative for

Connectors and Lugs—All Types.....Burndy Engineering Co. Inc.
Capacitors for Power Factor Correction.....Cornell-Dubilier Elec. Corp.
Underground Tools and Equipment—Cable Trough.....T. J. Cope, Inc.
Cable Grips for Pulling and Support.....Kellems Company
Statiscopes, Compound, Clips and Hangers.....Minerallac Electric Co.
Power and Distribution Transformers.....Pennsylvania Transformer Co.
Fuses, Protective Devices and Interrupter Switches.....S&C Electric Co.
Cone Anchors, Guy Guards, Earth Augers.....Specialty Device Co.
Meter Jewels.....Herman D. Steel Co.
Test Blocks, Meter Testing Equipment.....The States Co.
Porcelain Insulators.....R. Thomas & Sons Co.
Tree Trimming Equipment, Tree Surgeons Tools.....Bartlett Mfg. Co.

Allied Industries

Manufacturers Representatives

Specializing in

ELECTRICAL CONSTRUCTION MATERIALS

412 Seaton St., Los Angeles 13

Phone MUtual 2244

Pole Line, Hdwe

Bethlehem Steel Co.
Brewer-Titchener Corp.
A. B. Chance Co.
Earl S. Condon
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Electric Co., Inc.
Geo. E. Honn Co.
Hubbard & Company
Hughes Bros.
Industrial Eng. & Equip. Corp.
Joslyn Pacific Co.
James R. Kearney Corp.
Kirk-Palka Co.
Kortick Mfg. Co.
Lapp Insulator Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Malleable Iron Fittings Co.
W. N. Matthews Corp.
Maydwell & Hartzell, Inc.
Nicholas Co., Fred M.
Ohio Brass Co.
Penn-Union Elec. Corp.
Reliable Elec. Co.
The R. Thomas & Sons Co.
Waltham, DeWitt & Krusi
Western Hardware & Tool Co.
Thomas S. Wood

Poles

Bracken Sales Agency
General Elec. Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Hughes Bros.
Joslyn Pacific Co.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
McCormick & Baxter Creosoting Co.
Poles, Inc.

Porcelain

Allied Industries
Ken H. Best
Geo. Gray Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Geo. E. Honn Co.
Illinois Elec. Porcelain Co.
Joslyn Pacific Co.
Knox Porcelain Corp.
Lapp Insulator Co., Inc.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.
F. M. Nicholas Co.
Ohio Brass Co.
Paulding, Inc., John I.
J. G. Pomeroy Co.
Porcelain Insulator Co.
Porcelain Products, Inc.
Square D Co.
The R. Thomas & Sons Co.
H. H. Van Luven
Victor Insulators, Inc.
Westinghouse Elec. Corp.

Potheads

Delta Star Electric Co.
Electrical Engineers Equip. Co.
Electric Agencies, Inc.
G & W Electric Specialty
Gough Industries, Inc.
Graybar Elec. Co.
C. E. Ingalls
Kirk-Palka Co.
Line Material Co., Div. McGraw Elec.
Rusgreen Mfg. Co.
A. B. Smedley

Preservatives, Wood

Geo. E. Honn Co.
Kamphausen Co., Dan
James R. Kearney Corp.
Maydwell & Hartzell, Inc.
McCormick & Baxter Creosoting Co.
Standard Oil Co.
Wood, Tom S.

Protectors

Economy Fuse & Mfg. Co.
Graybar Elec. Co.
Reliable Elec. Co.

Protectors, Guy Wire

Graybar Elec. Co.
Geo. E. Honn Co.
Hubbard & Co.
Joslyn Pacific Co.
James R. Kearney Corp.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
W. N. Matthews Corp.
Maydwell & Hartzell Inc.

Public Address Systems

Graybar Elec. Co.
Webster Elec. Co.

Pullers, Fuse

Austin Co., M. B.
Buchanan Elec'l Prod. Corp.
General Elec. Co.
General Elec. Supply Corp.
Kearney Corp., James R.
Maydwell & Hartzell, Inc.
Nicholas, F. M.
S & C Elec. Co.
Sherman Mfg. Co., M. B.
Westinghouse Elec. Corp.

Pullers, Slack

Jasper Blackburn Products Co.
Greenlee Tool Co.
Graybar Elec. Co.
Mathias Klein & Sons
W. N. Matthews Corp.

Pumps

Allis-Chalmers Mfg. Co.
Graybar Elec. Co.
Pelton Water Wheel Co.
Robbins & Myers, Inc.

TOM WOOD

220 9th Av. North, Seattle 9, Wash.
Phone ELliott 8204

SANGAMO ELECTRIC CO.
Meters, Time Switches and Lincoln Thermal Demand Meters

SUPERIOR SWITCHBOARD & DEVICES CO.
Meter Enclosures and Testing Devices

H D ELECTRIC CO.
Max-I-Meters

COBRA WOOD TREATMENT CORP.
Cobra Injection Process for the Preservation of Wood Poles & Timbers

UNITED STATES HOFFMAN MACHINERY CORP.
Oil Filters & Conditioners

Raceway and Fittings

F. J. Airey Co.
Curtis Lighting, Inc.
Gough Industries, Inc.
George A. Gray Co
Graybar Elec. Co.
Mullenbach Elec'l Mfg. Co.
National Elec. Prod. Co.
Safety Switchboard Co.
Square D Co.
Trumbull, Dept. GE Co.
Western Switchboard Co.

Racks

Delta Star Elec. Co.
Electrical Engrs. Equip. Co.
G & W Elec. Specialty
Hubbard & Co.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Lint Co., Clyde W.
Locke, Dept. GE Co.
Murray Mfg. Corp.
Nat'l Elec. Products
Squires & Marshall
Unistrut Prod. Co.
Westinghouse Elec. Corp.

Radiant Heating Panels

Benz Co., Fred D.
Condon, Earl S.
Lindsay, Harry N.
Roberson Co., L. N.
U. S. Rubber Co.

Radio Equipment

Bendix Radio Div., Bendix Aviation Corp.
Cannon Elec. Co.
Cornell-Dubilier Elec. Corp.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Hill Sales Co., J. T.
Maydwell & Hartzell, Inc.
Ohio Carbon Co.
Orangeburg Mfg. Co. Inc.
Jas. C. Pope, Jr.
Sylvania Elec. Prod. Inc.
Taufenbach Co., Les.
Westinghouse Elec. Corp.

Range Units

Electromaster, Inc.
Graybar Elec. Co.
Montgomery Bros.
Thermador Elec. Mfg. Co.
Westinghouse Elec. Corp.

Ranges

Electromaster, Inc.
Frigidaire Div. General Motors
General Elec. Co.
Gough Industries, Inc.
Graybar Elec. Co.
Hotpoint, Inc.
Landers, Frary & Clark
Thermador Elec'l Mfg. Co.
Westinghouse Elec. Corp.

Reactors, Power

General Elec. Co.
Murray Mfg. Corp.
Westinghouse Elec. Corp.

Reels

Appleton Elec. Co.
The M. B. Austin Co.
Benz Co., Fred D.
Burbank Elec'l Prod.
Four Wheel Drive Auto Co.
Gough Industries, Inc.
Graybar Elec. Co.
Geo. E. Honn Co.
Ernest F. Hauck Co.
Hykon Mfg. Co.
Ideal Industries, Inc.
Lint Co., Clyde W.
Matthews Corp., W. N.
McCabe Powers Auto Body Co.
Penning, J. R.
J. G. Pomeroy
A. B. Smedley
Waltham, DeWitt & Krusi

Reclosers

Benjamin Elec. & Mfg. Co.
Bright Light Reflector Co.
Carlson, Fred W.
Bakeman & Associates, C. T.
Crouse Hinds Co.
Curtis Lighting, Inc.
Day-Brite Lighting, Inc.
Electric Agencies Inc.
General Elec. Co.
Geo. A. Gray Co.
Graybar Elec. Co.
Edwin F. Guth Co.
Holophane Co., Inc.
Jones Metal Products Co.
Kearney Corp., James R.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Multi Electric Co.
F. M. Nicholas Co.
Northwestern Agencies
Northwest Sales Co.
Overbagh & Ayres Mfg. Co.
Pacific Elec. Mfg. Corp.
Randolph Co., H. J.
RLM Standards Institute, Inc.
S & M Lamp Co.
Sheeter & Co.
Smoot-Holman Co.
H. B. Squires Co.
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co.

Rectifiers—Power

Allis-Chalmers Mfg. Co.
Control Corp.
Denham Sales Service
Eichorn & Melchior
General Elec. Co.
Graybar Elec. Co.
Hill Sales Co., J. T.
Ingalls, C. E.
I-T-E Circuit Breaker Co.
Kirk-Palka Co.
Maydwell & Hartzell, Inc.
Westinghouse Elec. Corp.

Reflectors

Appleton Elec. Co.
Associated Lighting Service
Bakeman & Associates, C. T.
Benz Co., Fred D.
Bran Co., Frank H.
Bright Light Reflector Co.
O. W. Coombs
Crouse-Hinds Co.
Curtis Lighting, Inc.
Day-Brite Lighting, Inc.
General Elec. Co.
Gough Industries, Inc.
Gray Co., Geo. A.
Graybar Elec. Co.
Edwin F. Guth Co.
"Hock" Ensmith Sales
The Jones Metal Prod. Co.
Line Material Co., Div. McGraw Elec.
Multi Elec'l Mfg. Co.
Nicholas Co., F. M.
Noel Co., Ray J.
Pomeroy Co., J. G.
Quadrangle Mfg. Co.
Sheeter, Hugh X.
Smoot-Holman Co.
Solen Co., Albert M.
Sylvania Elec. Prod. Co.
Westinghouse Elec. Corp.

Refrigerators

Frigidaire Div. General Motors
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Lapp Insulator Co.
Landers, Frary & Clark
Westinghouse Elec. Corp.

Regulators, Voltage

Allis-Chalmers Mfg. Co.
Bracken Sales Agency
Burlington Instrument Corp.
Carlson, Fred W.
Control Corp.
General Electric Co.
Frank W. Gorman
Graybar Elec. Co.
Ideal Industries, Inc.
James R. Kearney Corp.
Kirk-Palka Co.
Line Material Co., Div. McGraw Elec.
Moloney Elec Co.
Northwestern Agencies
The T. R. Routh Co.
Sola Electric Co.
Somerville, G. N.
Square D Co.
The States Co.
Wagner Elec. Corp.
Westinghouse Elec. Corp.

Relays

Kenneth M. Anderson Co.
Bracken Sales Agency
Automatic Electric Mfg. Co.
Campbell & George Co.
Carlson, Fred W.
Cole Electric Co.
Control Corp.
Earl S. Condon Co.
E. B. Cook Co.
Cramer Co., Inc., R. W.
Easterbrook, H. D.
Eichorn & Melchior
Federal Elec. Prod. Co.
Fowler Co., M. L.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Harold M. Hudson Co.
C. R. Hunt
C. E. Ingalls
I-T-E Circuit Breaker Co.
James R. Kearney Co.
Line Material Co., Div. McGraw Elec.
Mercoid Corp.
Northwestern Agencies
Pacific Electro Sales
Pomeroy Co., J. G.
Sperti-Faraday
Square D Co.
The States Co.
L. W. Thompson
H. H. Van Luven Co.
Westinghouse Elec. Corp.

Resistors

Allen-Bradley
Clark Controller Co.
H. D. Easterbrook
General Elec. Co.
Hill Sales Co., J. T.
Honn Co., Geo. E.
I-T-E Circuit Breaker Co.
Lyman, Oliver B.
Ohio Carbon Co.
Mullenbach Elec. Mfg. Co.
Square D
Westinghouse Elec. Co.

Rheostats & Resistors

Allen-Bradley Co.
Burlington Instrument Co.
Campbell & George Co.
John G. Corrin
General Elec. Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Geo. E. Honn Co.
Ideal Industries, Inc.
Mullenbach Elec'l. Mfg. Co.
Northwestern Agencies
Ohio Carbon Co.
Ryals Co., K. M.
S & C Elec. Co.
Square D Company
Westinghouse Elec. Corp.

Rings, Cable

A. B. Chance Co.
Copperweld Steel Co.
Everstick Anchor Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Hubbard and Company
Joslyn Pacific Co.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.
National Tel. Supply Co.
Reliable Elec. Co.

Rosettes

General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Landers, Frary & Clark
Nesco
Russell & Co.
Westinghouse Elec. Corp.

Rods, Anchor & Guy

A. B. Chance Co.
Copperweld Steel Co.
Gough Industries, Inc.
Graybar Elec. Co.
Hubbard & Co.
Joslyn Pacific Co.
James R. Kearney Corp.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Maydwell & Hartzell Inc.

Rubber Products

Best, Ken H.
Chapman Co., J. M.
Earl S. Condon Co.
John G. Corrin
Ericson Co.
Frank W. Gorman
Line Material Co., Div. McGraw Elec.
United States Rubber Co.
W. E. Wallace Co.
Western Hardware & Tool Co.

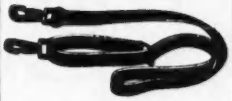
Rural Line Hardware

Bethlehem Steel Co.
Jasper Blackburn Prod. Corp.
A. B. Chance Co.
General Electric Supply Corp.
Frank W. Gorman
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Hubbard & Co.
Hughes Bros.
Joslyn Pacific Co.
James R. Kearney Corp.
Killark Elec. Mfg. Co.
Kortick Mfg. Co.
Lapp Insulator Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.
Nat'l Elec. Prod. Corp.
F. M. Nicholas Co.
Northwestern Agencies
Ohio Brass Co.
Oliver Iron & Steel Corp.
Penn-Union Elec. Corp.
Reliable Elec. Co.
H. B. Sherman Mfg. Co.
Western Hardware & Tool Co.

Safety Equipment

Allied Industries
Ken H. Best
Buckingham Mfg. Co., Inc.
A. B. Chance Co.
John G. Corrin
Dickson, A. L.
General Elec. Supply Corp.
Graybar Elec. Co.
Geo. E. Honn Co.
Mathias Klein & Sons
Western Hardware & Tool Co.

"BUCKINGHAM"
Safety Straps



WESTERN HDWE. & TOOL CO.
122 10th St., San Francisco
Write for FREE catalog No. 10

ARTHUR L. DICKSON
Linemen's Tools and Safety Equipment
Representing
PREMAX PRODUCTS
BUCKINGHAM MANUFACTURING COMPANY
WICKMAN GLOVE COMPANY
FANNO TREE SAWS
1259 Clark Road
Paradise, Calif.

BLACKBURN
Copper-Clad
GROUND ROD
DISTRIBUTED BY
KORTICK MFG. CO.
345 FIRST STREET, SAN FRANCISCO 5, CALIF.
WAREHOUSE STOCKS AT
LOS ANGELES
SAN FRANCISCO
PORTLAND
SEATTLE

ALLEN

FLUXES SODERS

for • sodering
• brazing
• welding

Soder . . . for all metals. Flux . . . for all metals—all forms—liquid, paste, salts, oil. All special government specifications Fluxes, etc. Send for Check Charts which give melting points of all soders.

REPRESENTATIVES

SAN FRANCISCO
H. B. Squires
156 Eighth Street
San Francisco 3
Phone MArket 1-2422

LOS ANGELES
George P. Wilcox Company
2330 West 3rd Street
Los Angeles 5
Phone PRospect 1165

SALT LAKE CITY
E. C. Coffin Co.
1661 E. 48th South
Salt Lake City 7

SEATTLE
Steel Service and Supply Co.
514 National Building
Seattle 4
Phone MAin 6168

L. B. ALLEN CO. INC. 6710 Bryn Mawr Ave. Chicago 31, Illinois

Scaffolds

Benz Co., Fred D.

Screws, Rivets

Bethlehem Steel Co.
Oliver Iron & Steel Corp.
Westinghouse Elec. Corp.

Service Organizations

Drop Forging Ass'n
Henderson-Hazel Corp.
Northwest Elec. Light & Power Association
Pacific Coast Elec'l Ass'n
Pacific Coast Elec'l Bureau
Pacific Gas & Elec. Co.
RLM Standards Institute, Inc.
So. Calif. Edison Co., Ltd.
Union Pacific R. R. Co.

Signals

Agencies Co.
Automatic Elec. Mfg. Co.
Benjamin Elec. Mfg. Co.
Brainard, W. V.
Cannon Elec. Co.
Control Corp.
Crouse-Hinds Co.
Electric Agencies, Inc.
Federal Enterprises, Inc.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
George A. Gray Co.
Graybar Elec. Co.
Maydwell & Hartzell, Inc.
F. M. Nicholas Co.
J. G. Pomeroy Co.
Prussia Co., Robt. R.
Somerville, G. N.
Sperti-Faraday
H. H. Van Luven Co.

Signs, Electrical

Bartlett Mfg. Co.
Day-Brite Lighting, Inc.
General Elec. Supply Corp.
Harold M. Hudson Co.
Maydwell & Hartzell, Inc.
Mundstock, James
Northwestern Agencies
Reliance Sales
Sperti-Faraday

Sirens

Kenneth M. Anderson Co.
Benjamin Elec. Mfg. Co.
Federal Enterprises, Inc.
General Elec. Supply Corp.
Gough Industries, Inc.
Geo. A. Gray Co.
Graybar Elec. Co.
F. M. Nicholas Co.
Sperti-Faraday
H. H. Van Luven

Sleeves, Repair

Mend-it-Sleeve Mfg. Co.

E. B. COOK COMPANY

1063 Howard Street, San Francisco 3, California

Representing

Marcus Transformer Co.—Dry Type Class B & C Insulation

Electro Switch Corp.—Rotary Type Switches—4-8 & 16 positions

Hart Manufacturing Co.—Diamond H Switches

Major Equipment Co.—Theatre Lighting Equipment

Quality Glass Company—Glass inclosing bowls & I.E.S. type shades

Morse Eureka Sockets—Phone UNderhill 1-2621

Insert broken ends into sleeve. Crimp tight with plyers.

MEND - IT - SLEEVE

Permanently repairs broken coils in electric appliances and industrial equipment. Splices appliance cord, auto and truck ignition wire, and other types of electrical wires. Made in 5 sizes. **Time-Tested—Successful—Economical.**

Write for Catalog Sheet

MEND-IT SLEEVE MFG. CO.

136 Bonita Ave., Piedmont 11, Calif.

Sleeves, Wire Splicing

Anaconda Wire & Cable
M. B. Austin Co.
Buchanan Elec'l. Prod. Corp.
Wm. Brand Co.
John Carder Jr., Co.
Burndy Eng. Co.
Electrical Engineers Equip. Co.
Electrical Specialty Co. Inc.
Gough Industries, Inc.
Graybar Elec. Co.
Ilsco Copper Tube & Prod. Co.
Insulation Mfgrs.
Joslyn Pacific Co.
Jas. R. Kearney Corp.
C. D. La Moree
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
National Tele. Supply Co.
Nicholas, F. M.
Owens-Corning Fiberglas Corp.
Penn-Union Elec. Corp.
Reliable Elec. Co.
H. B. Sherman Mfg. Co.
Westinghouse Elec. Corp.

Sockets

Benjamin Elec. Mfg. Co.
Cook Co., E. B.
Ericson Mfg. Co.
General Elec. Co.
Hockensmith Sales
Line Material Co., Div. McGraw Elec.
McGill Mfg. Co.
McGuire, Wm. A.
Murray Mfg. Co.
Paulding, Inc., John I.
Pyle National Co.
Union Insulating Co.
Westinghouse Elec. Corp.

Solders, All Types & Soldering Equipment

L. B. Allen Co.
O. W. Coombs
General Elec. Co.
Gough Industries, Inc.
Graybar Elec. Co.
Ideal Industries, Inc.
Ilsco Copper Tube & Prod. Co.
Lint Co., Clyde W.
Panama Lamp & Commercial Co.
Russell & Co.
H. B. Squires Co.
Tri-State Supply Corp.

Spacers, Underground Duct

Maydwell & Hartzell, Inc.
Soapstone Duct Co.

Solenoids

Allen-Bradley Co.
Cannon Elec. Co.
Eichorn & Melchior
General Electric Co.
Roeblings Sons Co., John A.
Square D Co.
Westinghouse Elec. Corp.

Starters, Fluorescent Lamp

The Frank Bran Co.
Certified Starters
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Industrial Electronics Corp.
Indiana Steel & Wire Co.
C. E. Ingalls & Sons
Joslyn Pacific Co.
James R. Kearney Corp.
Panama Lamp & Commercial Co.
Reliance Sales Corp.
Sylvania Elec. Prod. Co.
Westinghouse Elec. Corp.
Wuelker Infra-red & Lighting Co.

Strand, Guy

Bethlehem Steel Co.
Copperweld Steel Co.
Gough Industries, Inc.
Graybar Elec. Co.
Indiana Steel & Wire Co.
Ingalls, C. E., & Sons
Joslyn Pacific Co.
Kearney Corp., James R.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.
Roebling's Sons Co., John A.

Street Lighting Equipment

Benjamin Elec. Mfg. Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Holophane Co., Inc.
Hubbard & Co.
Joslyn Pacific Co.
Line Material Co., Div. McGraw Elec.
Matthews Corp., W. N.
Multi Elec. Mfg. Co.
Overbagh & Ayres Mfg. Co.
Waltham, De Witt & Krusi
Westinghouse Elec. Corp.
Wuelker Infra-Red & Lighting Co.

Structural Products

Squires & Marshall
Unistrut Prod. Co.

Substations, Outdoor and Indoor

Allis-Chalmers Mfg. Co.
Delta Star Electric Co.
Electrical Engineers Equipment Co.
General Elec. Co.
Frank W. Gorman
Gough Industries, Inc.
Honn Co., Geo. E.
Harold M. Hudson Co.
Hughes Bros.
James R. Kearney Corp.
Kirk-Palka Co.
Line Material Co., Div. McGraw Elec.
Moloney Elec.
Pacific Elec. Mfg. Corp.
S & C Electric Co.
Sorgel Elec. Co.
Southern States Equip. Co.
Unistrut Products Co.
Westinghouse Elec. Corp.

Substations, Unit

Allis-Chalmers Mfg. Co.
General Elec. Co.
Graybar Elec. Co.
Honn Co., Geo. E.
I-T-E Circuit Breaker
Kuhlman Elec. Co.
Wagner Elec. Corp.
Westinghouse Elec. Corp.

Supports, Bus-Bar

Agencies Co.
Chance Co., A. B.
Burndy Eng'g Co.
Cole Elec. Co.
Delta Star Elec. Co.
Eichorn & Melchior
Electric Agencies, Inc.
Electrical Engineers Equip. Co.
General Elec. Co.
Gough Industries, Inc.
Graybar Elec. Co.
Illinois Elec. Porcelain
James R. Kearney Corp.
Kindorf Co.
Kirk-Palka Co.
Lapp Insulator Co.
Line Material Co., Div. McGraw Elec.
Lint, Clyde W.
Maydwell & Hartzell, Inc.
McGillan Sales Co.
Mullenbach Elec'l Mfg. Co.
Nicholas Co., Fred
Ohio Brass Co.
O. Z. Elec'l Mfg. Co.

Service...

Dependability...

Satisfaction...

in Signaling!

UNIPACT 2000 BELL

Need an entire new system? Or perhaps just one unit that meets present noise level needs? Buy UNIPACT. It's the best. UNIPACT is a tailor-made group of signals that are designed to master department noise levels with 17 interchangeable units—bells, buzzers, horns, chimes—all fitting one standard adapter plate. No new wiring is needed. Plant conversion is easier. Buy the proven brand—FARADAY.

FIRE ALARMS

Fire is under control from the start with a Sperti Faraday Fire Alarm System. Fire Alarm Stations, Sounding Devices, Control Panels are designed to give a fast, efficient system that stays on the job 24 hours a day.

HOSPITAL SYSTEMS

Whether it's Nurses' Call, Doctors In-and-Out Registers, Corridor Paging, or a variety of other proven hospital audible or visual signal devices, you're sure with a NAME BRAND—FARADAY. They give fast, efficient performance with a trouble-free signal system that has proven itself in hundreds of installations across the country. Write for new catalog.

Consolidated by:

Sperti Faraday Inc.

ADRIAN, MICHIGAN

BELLS • BUZZERS • HORNS • CHIMES • VISUAL AND AUDIBLE PAGING DEVICES AND SYSTEMS

Supports, Bus Bar—Continued
Pacific Elec. Mfg. Corp.
Penn-Union Elec. Corp.
Porcelain Insulator
Ruagreen Mfg. Co.
Ryals Co., K. M.
S & C Elec. Co.
A. B. Smedley
Southern States Equipment Co.
Steel City
Square D Co.
Squires & Marshall
Trumbull, Dept. GE Co.
Unistrut Products Co.
Victor Insulators, Inc.
Westinghouse Elec. Corp.

Supports, Conduit
Appleton Elec. Co.
Benz Co., Fred D.
Crouse-Hinds Co.
Graybar Elec. Co., Inc.
Honn Co., Geo. E.
Kindorf Co.
Line Material Co., Div. McGraw Elec.
Murray Mfg. Corp.
Steel City Electric
Unistrut Products
Squires & Marshall

Supports, Crane Rail
Delta Star Elec. Co.
Kirk-Palka Co.

Surface Raceway and Fittings
F. J. Airey Co.
Curtis Lighting Co.
Gough Industries, Inc.
Graybar Elec. Co.
Mullenbach Elec'l Mfg. Co.
Nat'l Elec. Prod. Corp.
Safety Switchboard Co.
Square D Co.
Trumbull, Dept. GE Co.

Switchboards
Allen-Bradley Co.
Allis-Chalmers Mfg. Co.
Associated Lighting Service
BuliDog Elec. Products Co.
Campbell & George Co.
Cole Electric Co.
Earl S. Condon Co.
Electric Engineers Equipment Co.
Federal Elec. Products Co.
Fowler Co., M. L.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries Inc.
Graybar Elec. Co.
Henkel, F. C.
I-T-E Circuit Breaker Co.
Kirk-Palka Co.
Lombard Smith Co.
McGuire, Wm. A.
Meyers Safety Switch Co.
Mullenbach Elec'l. Mfg. Co.
James Mundstock
Randolph Co., H. J.
Safety Switchboard Co.
Square D Co.
L. W. Thompson
Trumbull, Dept. GE Co.
Western Switchboard Co.
Westinghouse Elec. Corp.

Switches, Appliance
General Elec. Co.
Walter E. Wallace Co.

Switches, Circuit Breaker Type
General Elec. Co.
I-T-E Circuit Breaker Co.
Westinghouse Elec. Corp.

Switches, Clock Controlled
Agencies Co.
Cramer Co., R. W.
Eichorn & Melchior
Electric Sales Co.
General Electric Co.
Gough Industries, Inc.
Graybar Elec. Co.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
L. A. Nott
Reliance Automatic Lighting Co.
Sangamo Electric Co.
The States Co.
Thompson, L. W.
The Tork Clock Co.
Wadsworth Elec. & Mfg. Co.
Westinghouse Elec. Corp.

Switches, Disconnect
Allied Industries
Kenneth M. Anderson Co.
Bracken Sales Agency
Carlson, Fred W.
A. B. Chance Co.
Cole Electric Co.
Earl S. Condon Co.
Crouse Hinds Co.
Delta Star Elec. Co.
Electrical Engineers Equipment Co.
Electrical Specialty Co.
Federal Elec. Prod. Co.
General Elec. Co.
General Elec. Supply Corp.
General Switch Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Gen. E. Honn Co.
Industrial Eng. & Equip. Corp.
C. E. Ingalls & Sons
I-T-E Circuit Breaker Co.
KPF Electric Co.
Kearney Corp., James R.
F. D. Kees Mfg. Co.
Kirk-Palka Co.
Line Material Co., Div. McGraw Elec.
Liner, Joseph
W. N. Matthews Corp.
Maydwell & Hartzell, Inc.
Mullenbach Elec'l Mfg. Co.
Pacific Elec. Mfg. Corp.
Randolph Co., H. J.
Ryals Co., K. M.
Safety Switchboard Co.
Schwager - Wood Corp.
H. B. Squires Co.
S & C Elec. Co.
Square D Co.
Thompson, L. W.
Trumbull, Dept. GE Co.
H. H. Van Luven
Wadsworth Elec. Mfg. Co.
Waltham, deWitt & Krusi
Western Switchboard Co.
Westinghouse Elec. Corp.
T. S. Wood

Switches, Fixture
Eichorn & Melchior
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Russell & Stoll
Sylvania Elec. Prod. Co.
Westinghouse Elec. Corp.

Switches, Float
Allen-Bradley
Clark Controller Co.
General Elec. Co.
Mercoid Corp.
Sperti—Faraday
Westinghouse Elec. Corp.

Switches, Flush, Toggle, or Tumbler
Allen Bradley
General Elec. Co.
Porcelain Prods., Inc.

Switches, Fuse
A. B. Chance Co.
Crouse-Hinds Co.
Delta Star Elec. Co.
Electrical Engineers Equip. Co
Electrical Specialty Co.
Federal Elec. Prod. Co.
General Elec. Co.
General Elec. Supply Corp.
General Switch Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Honn Co., Geo. E.
Industrial Eng. & Equip. Corp.
Kees Mgf. Co., F. D.
Kearney Corp., James R.
Kirk-Palka
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Murray Mfr. Co.
W. N. Matthews Corp.
Pacific Elec. Mfg. Corp.
Randolph Co., H. J.
S & C Electric Co.
Safety Switchboard Co., Inc.
Square D Co.
Trumbull, Dept. GE Co.
Wadsworth Elec. Mfg. Co.
Western Switchboard Co.
Westinghouse Elec. Corp.

Switches, Heater
General Elec. Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Square D Co.
H. H. Van Luven Co.

Switches, High Tension
Bracken Sales Agency
Carlson, Fred W.
A. B. Chance Co.
Cole Elec. Co.
Condon Co., Earl S.
E. B. Cook Co.
Delta Star Elec. Co.
Electrical Engineers Equip. Co.
G. & W. Elec. Specialty Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Industrial Eng. & Equip. Corp.
Ingalls & Sons, C. E.
KPF Electric Co.
James H. Kearney Corp.
Kirk-Palka Co.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Pacific Elec. Mfg. Corp.
Randolph Co., H. J.
S & C Electric Co.
Sales Engineers, Inc.
Schwager-Wood Corp.
Square D Co.
H. B. Squires Co.
Westinghouse Elec. Corp.
T. S. Wood

Switches, Magnetic
Allen-Bradley Co.
Allis-Chalmers Mfg. Co.
The Frank H. Bran Co.
Campbell & George Co.
John G. Corrin
Electric Sales Co.
Federal Elec. Prod. Co.
General Elec. Co.
Gough Industries, Inc.
Graybar Elec. Co.
Mullenbach Elec'l Mfg. Co.
T. R. Routh Co.
Square D Co.
Trumbull, Dept. GE Co.
Westinghouse Elec. Corp.

Switches, Meter Test
Associated Sales Engineers
John G. Corrin
Federal Elec. Prod. Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
General Switch Corp.
Graybar Elec. Co.
F. D. Kees Mfg. Co.
Kwikon Co.
Meter Devices Co.
L. A. Nott
Square D Co.
States Co., The
Trumbull, Dept. GE Co.
Wadsworth Elec. Mfg. Co.

Switches—Pressure and Temperature
Allen-Bradley Co.
Campbell & George Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Mercoid Corp.
Montgomery Bros.
Square D Co.

Switches, Remote Control
Associated Sales Engineers
Campbell & George Co.
Federal Elec. Prod. Co.
General Electric Co.
Gough Industries, Inc.
Graybar Elec. Co.
Line Material Co., Div. McGraw Elec.
Mullenbach Elec'l Mfg. Co.
A. B. Smedley
Square D Co.
H. H. Van Luven Co.

Switches, Rotary
Cole Instrument Co.
Cook, E. B.
General Elec. Co.

KIRK-PALKA CO.

Engineers & Representatives

UTILITY & INDUSTRIAL ELECTRICAL EQUIPMENT

LOS ANGELES 13
415 Wall St.
Michigan 3651

SAN FRANCISCO 11
420 Market St.
DOuglas 2-1997

Representing

DELTA-STAR ELECTRIC CO.
High Voltage Switching Equip.

STANDARD TRANSFORMER CO.
Transformer (all types)

HEVI DUTY ELECTRIC CO.
Constant Current Regulators

TRENT, INC.
Electric Heating Equip.

GEO. A. GRAY COMPANY

2720 17th St., San Francisco 10, Calif. HE. 1-1526

MANUFACTURERS' REPRESENTATIVES

COLUMBIA METAL BOX CO.—Steel cutout cabinets.
GEDNEY ELECTRIC COMPANY—Conduit fittings, bushings, ground clamps, connectors, couplings.
GRAYSIX COMPANY—Fish steel, outlet box covers, special cord sets.
HENDERSON ELECTRIC COMPANY—Conduit bending tools
McGILL MANUFACTURING COMPANY—Levolier switches, lamp guards, portables, lamp changers
PASS & SEYMOUR, INC.—P & S wiring devices, ALABAX fixtures
THE WIREMOLD COMPANY—WIREMOLD raceways, lighting strips, loom, fluorescent fixtures, PLUGMOLD

WESTERN SWITCHBOARD CO.

Switchboards
Panelboards
Electric Sheet Metal Products
474 Bryant St., San Francisco 7, Cal.
Phone: EXbrook 2-5535

Switches, Safety

Allied Industries
The Frank H. Bran Co.
BullDog Elec. Products Co.
Campbell & George
Crouse-Hinds Co.
Federal Elec. Products Co.
General Elec. Co.
General Elec. Supply Corp.
General Switch Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Maydwell & Hartzell, Inc.
McGill Mfg. Co.
Meyers Safety Switch Co., Inc.
Mongerson's Elec'l Mach. Works
Mullenbach Elec'l. Mfg. Co.
Murray Mfg. Co.
Northwest Sales Co.
Northwestern Agencies
Pyle-National Co.
The T. R. Routh Co.
Safety Switchboard Co.
Square D Co.
L. W. Thompson
Trumbull, Dept. GE Co.
Wadsworth Elec. Mfg. Co.
Western Switchboard Co.
Westinghouse Elec. Corp.

Switches, Thermostat Controlled

Allen-Bradley Co.
General Elec. Co.
Gough Industries, Inc.
Graybar Elec. Co.
Mercoid Corp.
Montgomery Bros.
Murray Mfg. Corp.
Square D Co.
A. B. Smedley

Switches, Time

Allen-Bradley Co.
Allied Industries
M. B. Austin Co.
Campbell & George Co.
Cook, E. B.
Eichorn & Melchior
Electric Sales Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Harold M. Hudson Co.
Industrial Eng. & Equip. Corp.
International Register Co.
JWRCo., Inc.
Line Material Co., Div. McGraw Elec.
Maydwell & Hartzell, Inc.
Mercoid Corp.
Meter Devices Co.
Montgomery Bros.
James Mundstock
Murray Mfg. Corp.
L. A. Nott
J. G. Pomeroy Co.
Reliance Automatic Lighting Co.
Sangamo Elec. Co.
A. B. Smedley
The Tork Clock Co., Inc.
Tom S. Wood

Switchgear

Allis-Chalmers Mfg. Co.
Bracken Sales Agency
Campbell & George Co.
A. B. Chance Co.
Earl S. Condon Co.
E. B. Cook Co.
Delta Star Elec. Co.
Electrical Engineers Equip. Co.
Federal Electric Products Co.
Fowler Co., M. L.
General Electric Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Honn Co., Geo. E.
C. E. Ingalls
I-T-E Circuit Breaker Co.
Kirk-Palka Co.
Line Material Co., Div. McGraw Elec.
Oliver B. Lyman
Mullenbach Elec'l Mfg. Co.
Pacific Elec. Mfg. Corp.
Randolph Co., H. J.
Ryals Co., K. M.
Safety Switchboard Co.
Schueler & Weston
Somerville, G. W.
L. W. Thompson
Western Switchboard Co.
Westinghouse Elec. Corp.

Tape—Fish

American Steel & Wire Co.
Appleton Elec. Co.
M. B. Austin Co.
Burbank Elec'l Prod.
Benz Co., Fred D.
Gough Industries, Inc.
Graybar Elec. Co.
Ideal Industries, Inc.
Lint, Clyde W.
McGillan Sales
Nicholas Co., F. M.
John A. Roebling's Sons Co.

Tapes, Fibrous Glass

General Elec. Supply Corp.
Graybar Elec. Co.
Irvington Varnish & Insul. Co.
C. D. LaMoree
Mitchell, C. H.
Owens-Corning Fiberglas Corp.
Van Cleef Bros.
Westinghouse Elec. Corp.

Tapes—Friction, Rubber—Adhesive—Splicing

Appleton Rubber Co.
M. B. Austin Co.
The Frank Bran Co.
Chapman Co., J. M.
Clifton Mfg. Co.
E. B. Cook Co.
O. W. Coombs
Denham Sales Service
Electric Agencies, Inc.
Electrical Specialty Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Ideal Industries, Inc.
Johns-Manville
Joslyn Pacific Co.
Levin, M.
Minnesota Mining & Mfg. Co.
Okonite Company
Arthur E. Rowe
Prussia Co., Robt. R.
U. S. Rubber Co.
Van Cleef Bros.
Westinghouse Elec. Corp.

Tapes, Plastic

Electrical Specialty Co.
Gough Industries, Inc.
Irvington Varnish & Ins. Co.
C. D. LaMoree
Nat'l Varnished Prod. Co.
Owens-Corning Fiberglas Corp.
Van Cleef Bros., Inc.

Tapes, Varnished or Oiled

Electrical Specialty Co.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Irvington Varnish & Insulator Corp.
C. D. LaMoree
Mitchell, C. H.
National Varnish Prod.
Owens-Corning Fiberglas Corp.
A. B. Smedley
Tri-State Supply Corp.
U. S. Rubber Co.
Van Cleef Bros., Inc.
W. E. Wallace Co.
Westinghouse Elec. Corp.

Telephone & Telegraph Hardware, Wire & Specialties

American Tele & Tele Co.
Bell Telephone System
American Steel & Wire
A. B. Chance Co.
Copperweed Steel Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co., Inc.
Hubbard & Co.
Hykon Mfg. Co.
Joslyn Pacific Co.
James R. Kearney Corp.
Kortick Mfg. Co.
Line Material Co., Div. McGraw Elec.
Locke, Dept. GE Co.
Maydwell & Hartzell, Inc.
National Carbon Co., Inc.
National Tel. Supply Co.
Porcelain Products, Inc.
Reliable Electric Co.
John A. Roebling's Sons Co.
Signal Electric Mfg. Co.
U. S. Steel
H. H. Van Luven Co.
Western Hardware & Tool Co.

ELECTRICAL SPECIALTY CO.

Electrical—Plastic—Mechanical Materials

Asbestos Tape, Cloth, Sleeving, Cord
Bakelite—Laminated Sheets, Rods, Tubes, Parts
Brady Quik-Labels
Capacitors
Carbon Brushes, Rods, Plates
Combination Slot Insulation
Commutators
Copper Lugs and Connectors
Cotton Tapes, Webbings, Sleevings
Duro and Insulating Papers
Ebony Asbestos
Electrical Steatite
Fiberglas Products
Fibre and Fish Paper
Friction and Rubber Tapes
Fuses
KEL-F
Knife Switches and Parts
Lucite, Acetate Sheets
Magnet Wire
Mica in All Forms
Mykroy Sheets, Rods, Parts
Plastic—Engineering, Fabricating, Engraving
Plastic Molding Materials
Polystyrene
Pressboard
Resistance Wire, Ribbon, Metal Alloys
Scotch Tapes
Shop Equipment
Silicone Products
Teflon
Tooling Resins
Transite, Ebony Asbestos
Tubings: Varnished, Saturated, Extruded
Twine: Seine, Marlin, Armature, Waxed
Varnished Cloths, Papers, Tapes
Varnishes, Enamels for Insulation
Waxes and Compounds
Wood and Formed Wedges

PRODUCTS MADE BY AMERICA'S FINEST FACTORIES

SAN FRANCISCO 3
316 Eleventh Street
HEmlock 1-5116

SEATTLE 4
2406 First Avenue So.
ELiot 8061

LOS ANGELES 13
418 E. Third Street
MIchigan 1907

DENVER 2
1015 Twenty-first Street
CHerry 4588

"Bepco" molded terminal blocks
4, 8 and 12 CIRCUITS 600 VOLTS • 35 AMPS
HEAVY DUTY

✓ RUGGED ONE PIECE MOLDINGS!
✓ BASES OFFSET FOR CREEPAGE!
✓ HIGH REINFORCED BARRIERS!
✓ MOLDED-IN RIVETS & INSERTS!
✓ REVERSIBLE MARKING STRIPS!
✓ HOLES FOR COVER MOUNTING!

SOLDERLESS TYPE

SCREW TYPE

Also Available:—
Covers, with attaching screws. Numbered Marking Strips (1 to 4, 1 to 8, 1 to 12).

BUCHANAN
Electrical Products Corporation
HILLSIDE, N.J.

Represented by
KENNETH ANDERSON CO., LOS ANGELES
F. M. NICHOLAS CO., SAN FRANCISCO
SHAFFER & NELSON CO., PORTLAND-SEATTLE-SPOKANE
WRITE FOR CATALOG 52W

Telephones

American Tele & Tele Co.
Bell Telephone System
Kenneth M. Anderson Co.
E. B. Cook Co.
Crouse-Hinds Co.
Gough Industries, Inc.
Graybar Electric Co.
Maydwell & Hartzell, Inc.
Webster Electric Co.

Terminal Blocks

Buchanan Elec'l Prod. Corp.
General Elec. Co.
Graybar Elec. Co.
Geo. E. Honn Co.
Meter Devices, Inc.
Fred M. Nicholas Co.
Penn-Union Elec. Co.
Ryals Co., K. M.
The States Co.
H. H. Van Luven Co.

Safety Switchboard Co. Inc.

Representing
BULLDOG ELECTRIC PRODUCTS

BUStribution Duct
Trol-E-Duct
Safety Switches
Switchboards
Panelboards (Pushmatic)

1445 Stevenson St.
Stevenson at 14th Street
SAN FRANCISCO 3, CALIF.
HEmlock 1-2470
HEmlock 1-1414

Terminals, Cable

Kenneth Anderson Co.
M. B. Austin Co.
The Frank H. Bran Co.
Buchanan Elec. Prod. Corp.
Burndy Eng. Co. Inc.
Carder Co., John
Earl S. Condon Co.
Delta Star Elec. Co.
Eichorn & Melchior
Electrical Engineers Equip. Co.
General Cable Corp.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Ernest F. Hauck Co.
Ilsco Tube & Copper Co.
C. E. Ingalls
Kirk-Palka
Line Material Co., Div. McGraw Elec.
F. M. Nicholas Co.
O. Z. Elec'l Mfg. Co.
Penn-Union Elec. Corp.
Reliable Elec. Co.
Safety Switchboard Co.
H. B. Sherman Mfg. Co.
A. B. Smedley
The States Co.
John B. Tubergen
H. H. Van Luven
Westinghouse Elec. Corp.

Test Blocks

Anchor Mfg. Co.
Federal Elec. Products Co.
Honn Co., Geo. E.
Meter Devices Co.

Eichorn & Melchior

501 Indiana Street

San Francisco 7, Calif.

Phone Underhill 1-8309

S A L E S

S E R V I C E

- **Russell & Stoll Co., Inc.** Explosion-proof and vaportight switches, receptacles and lighting fixtures. Unilarms. Ever-lok. Floor-boxes.
- **Tork Clock Co.** Industrial time switches.
- **O. Z. Electrical Mfg. Co., Inc.** Solderless connectors, conduit fittings, cast iron boxes, power connectors.
- **International Rectifier Corp., Los Angeles** Selenium rectifier cartridges. Selenium stacks. Photo cells.
- **Sequoia Process Corp., Redwood City** Radio and instrument hook-up wire. Military specifications.
- **Struthers-Dunn, Inc.** Relays and timers.

Local Warehouse Stocks

● E N G I N E E R I N G ●

J. T. HILL SALES COMPANY

Engineering Representatives

800 W. 11th St., Los Angeles 15 **RI-75384**

CONTROL ENGINEERING CORPORATION
- Engine Pressure Pickups

ANSONIA ELECTRICAL COMPANY
- Plastic Insulated Cable

CHICAGO TRANSFORMER Div., Essex Wire Corp.
- Control & Power Circuit Transformers

ALLEN B. DUMONT LABORATORIES, INC.,
- Cathode Ray Oscilloscopes & Tubes

THE T. R. ROUTH CO.

METERING & CONTROL SPECIALISTS

ESTERLINE-ANGUS CO., INC. AC & DC Recording Instruments, Wattmeters, Ammeters, Voltmeters, Speed Recorders, Pressure Recorders, Liquid Lever Recorders, Telemeters.

HERMAN H. STICHT CO., INC. Hand Tachometers, Speed Indicators, Chronograph & Stop Watches.

BUFFALO METER COMPANY. Water, Oil & Specialty Liquid Meters, Chemical Meters.

742 Market Street, San Francisco 2
GArfield 1-6487

Murray Mfg. Corp.
Prussia Co., Robt. B.
States Co.

Testing Devices, Hi-Voltage

General Electric Co.
Matthews Corp., W. N.
Safety Electric Equipment Co.
S & C Electric Co.
Waltham, DeWitt & Krusi

Testing Devices

American Transformer Co.
Associated Research, Inc.
Ken H. Best
Booth Co., Arthur E.
John G. Corrin
General Elec. Co.
Graybar Elec. Co.
Holub Ind., Inc.
Geo. E. Honn Co.
Ideal Industries, Inc.
James R. Kearney Corp.
Clyde W. Lint Co.
Meter Devices Co.
L. A. Nott
T. R. Routh Co.
S & C Electric Co.
A. B. Smedley
Square D Co.
The States Co.
Wood, Tom S.

Timers

Cramer Co., Inc., R. W.
Eichorn & Melchior
Mundstock, James
L. A. Nott
Sangamo Elec. Co.
Square D Co.
T. S. Wood

Tools, Misc.

M. B. Austin & Co.
Bartlett Mfg. Co.
Benz Co., Fred D.
Best, Ken H.
Briegel Method Tool Co.
Buchanan Elec'l Prod. Co.
Burbank Elec. Prod.
A. B. Chance Co.
Chapman Co., J. M.
Coulson, J. C.
Denham Sales Service
Dickson, A. L.
Electric Agencies, Inc.
Fargo Mfg. Co. Inc.
General Elec. Co.
General Elec. Supply Corp.
Frank W. Gorman
Gough Industries, Inc.
George A. Gray Co.
Graybar Elec. Co.
Greenlee Tool Co.
Ernest F. Hauck Co.
"Hock" Ensmith Sales
Geo. E. Honn Co.
Hykon Mfg. Co.
Ideal Industries, Inc.
Joslyn Pacific Co.
Kortick Mfg. Co.
James R. Kearney Corp.
Kennamental, Inc.
Kett Tool Co.
Mathias Klein & Sons
Clyde W. Lint
Line Material Co., Div. McGraw Elec.
McCulloch Motors Corp.
Maydwell & Hartzell, Inc.
F. M. Nicholas
Northwestern Agencies
Northwest Sales Co.
F. Somers Peterson Co.
J. G. Pomeroy Co.
Randolph Co., H. J.
Signal Elec. Mfg. Co.
A. B. Smedley
Tri-State Supply Corp.
Western Hardware & Tool Co.
Westinghouse Elec. Corp.

Torches

Benz Co., Fred D.
Mathias Klein & Sons
Lenk Mfg. Co.

Transformers—All Types

Advance Transformer Co.
Kenneth M. Anderson Co.
Allis-Chalmers Mfg. Co.
American Transformer Co.
Benz Co., Fred D.
C. C. Blecksmith
Bracken Sales Agency
Bran Co., Frank H.
Burlington Instrument Co.
Campbell & George Co.
Carlson, Fred W.
Cole Instrument Co.
Control Corp.
E. B. Cook
John G. Corrin
Coulson, J. C.
Duncan Elec. Mfg. Co.
H. D. Easterbrook
Electric Equipment Co.
Gardner Elec. Mfg. Co.
General Elec. Co.
General Elec. Supply Corp.
Frank W. Gorman
Graybar Elec. Co.
Hill Sales Co., J. T.
Geo. E. Honn Co.
Jeffries Transformer Co.
Keese Mfg. Co.
Killark Elec. Mfg. Co.
Kirk-Palka Co.
Kuhlman Elec. Co.
Line Material Co., Div. McGraw Elec.
Marcus Transformer Co.
Maydwell & Hartzell, Inc.
McMillen & Stanley Co.
Moloney Electric Co.
Mullenbach Elect. Mfg. Co.
Northwestern Agencies
Nott, L. A.
Oliver B. Lyman
Pacific Transformer Co., Inc.
Pomeroy Co., J. G.
Sangamo Elec. Co.
Schueler & Weston
Sola Electric Co.
Sorgel Elec. Co.
Sperti-Faraday
H. B. Squires Co.
Tierney Elec'l Mfg. Co.
Trico Fuse Mfg. Co.
H. H. Van Luven Co.
Wagner Electric Corp.
Webster Elec. Co.
Western Transformer Co.
Westinghouse Elec. Corp.
Tom Wood
Young & Co., Robert A.

Transmission Towers Steel

Bethlehem Steel Co.
Hughes Bros.
Maydwell & Hartzell, Inc.

Trash Rakes

Smith, S. Morgan

Tree, Trimming Equip.

Bartlett Mfg. Co.
Bracken Sales Agency
Dickson, A. L.
General Elec. Supply Corp.
Graybar Elec. Co.
Geo. E. Honn Co.
Joslyn Pacific Co.
Line Material Co., Div. McGraw Elec.
Western Hdwe. & Tool

Trolley Systems

Benbow Mfg. Co.
Campbell & George

Trucks, Trailers and Equipment

Artisan Products, Inc.
Four Wheel Drive Auto Co.
Graybar Elec. Co.
Highway Trailer Co.
McCabe Powers Auto Body Co.
Tel-E-Lect Products, Inc.

Tubes-Electronic

Champion Lamp Works
General Elec. Electronics Dept.
Graybar Elec. Co.
Hill Sales Co. J. T.
Panama Lamp & Com'l Co.
Sperti, Inc.
Sylvania Elec. Prod. Inc.
Taufenbach, Les.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply

Tubes, Mercury Contact

Anderson Co., Kenneth
Buchanan Elec'l Products Co.
General Elec. Co.
General Elec. Supply Corp.
Mercoid Corp.
Wuelker Infra-Red & Lighting Co.

Tubes, Rectifier

Allis-Chalmers Mfg. Co.
Federal Tel & Radio Corp.
General Elec. Co.
General Elec. Supply Corp.
Hill Sales Co., J. T.
Maydwell & Hartzell
Sylvania Elec. Prod.
Westinghouse Elec. Corp.
Westinghouse Elec. Supply

Tubing, Elec'l Metallic

Aluminum Co. of America
M. B. Austin Co.
Coulson, J. C.
Electric Agencies, Inc.
Electrical Specialty Co.
Enameled Metals Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Ernest F. Hauck
Murphy-Hain Co.
Nat'l Elec. Prod. Corp.
F. Somers Peterson
J. G. Pomeroy Co.
Rome Cable Corp.
Rowe, Arthur E.
Spang-Chalfant

Tubing, Flexible Insulating

Allied Industries
Wm. Brand & Co.
Electrical Specialty Co.
General Elec. Co.
Insulation Mfgrs.
Irvington Varnish & Insulator Co.
Johns-Manville
C. D. LaMoree
C. H. Mitchell Co.
Murphy-Hain Co.
Nat'l Elec. Prod. Corp.
National Varnished Prod.
Owens-Corning Fiberglas Corp.
F. Somers Peterson
Tri-State Supply Corp.

Turbines

Allis-Chalmers Mfg. Co.
E. B. Cook
General Electric Co.
Pelton Water Wheel Co.
Pyle-National Co.
Smith, S. Morgan
Westinghouse Elec. Corp.

Units, Range Heater

General Elec. Co.
General Elec. Supply Corp.
Graybar Elec. Co.
Landers, Frary & Clark
Montgomery Bros.
Thermador Elec. Mfg. Co.
Westinghouse Elec. Corp.

Vacuum Cleaners—See Appliances
Valves

Carlson, Fred W.
Lundy, Ralph B.
Oliver B. Lyman
Mullenbach Elec'l Mfg. Co.
Ohio Brass Co.
Pelton Water Wheel Co.
Smith Co., S. Morgan

Varnishes, Insulation

Electrical Specialty Co.
General Elec. Co.
General Elec. Supply Corp.
The P. D. George Co.
Gough Industries, Inc.
Insulation & Wires, Inc.
Irvington Varnish & Insulator Co.
Joslyn Pacific Co.
C. D. LaMoree
Mitchell, C. H.
Schenectady Varnish Co., Inc.
Tri-State Supply Corp.
Westinghouse Elec. Corp.

Varnished Products

Wm. Brand & Co.
Electrical Specialty Co.
Insulation & Wires, Inc.
Insulation Mfgrs.
C. H. Mitchell Co.
Nat'l Varnished Prod. Corp.
Owens-Corning Fiberglas

Ventilators

(See Fans)

Wall Plates

McMillen & Stanley Co.
Plas-Tex Corp.
Prussia Co., Robt. R.
W. E. Wallace Co.

Washers, Clothes

Bendix Home Appliances, Inc.
Ceazan Co., J. N.
Frigidaire Div., General Motors
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
C. D. LaMoree
Landers, Frary & Clark
Westinghouse Elec. Corp.

Wattmeters

C. C. Blecksmith
Duncan Elec. Mfg. Co.
General Elec. Co.
Graybar Elec. Co.
L. A. Nott
The T. R. Routh Co.
Sangamo Elec. Co.
Westinghouse Elec. Corp.

Water Wheels

Allis-Chalmers Mfg. Co.
Pelton Water Wheel Co.
Smith, S. Morgan

Welding Controls & Totalizers

General Elec. Co.
Mullenbach Elec'l Mfg. Co.
The T. R. Routh Co.
Square D Co.

Welding Equip. & Accessories, Elec.

Allis-Chalmers Mfg. Co.
Erico Products, Inc.
General Elec. Co.
Graybar Elec. Co.
Lundy, Ralph B.
National Carbon Co., Inc.
Ohio Brass Co.
The T. R. Routh Co.
Ryals Co., K. M.
John B. Tubergen
Westinghouse Elec. Corp.

Winches

Eagle Mfg. Co.
Four Wheel Drive Auto Co.
Highway Trailer Co.
McCabe Powers Auto Body Co.
Tel-E-Lect Products, Inc.

Wire

Allied Industries
American Steel & Wire Co.
Anaconda Wire & Cable Co.
M. B. Austin Co.
Bens Co., Fred D.
Wm. Brand Co.
John Carder Jr., Co.
Chapman Co., J. M.
Earl S. Condon Co.
Copperweld Steel Co.
Crescent Ins. Wire & Cable Co.
Driver-Harris Co.
Eichorn & Melchior
Electrical Specialty Co.
Essex Wire Corp.
Fincke Co., John M.
Fuliman Mfg. Co.
General Cable Corp.
General Elec. Co.
General Elec. Supply Corp.
Gough Industries, Inc.
Graybar Elec. Co.
Indiana Steel & Wire Co.
C. E. Ingalls
Insulation & Wires, Inc.
The Kerite Co.
Line Material Co., Div. McGraw Elec.
Joseph Liner
Maydwell & Hartzell. Inc.
McMillen & Stanley Co.
Murphy-Hain Co.
National Elec. Products Corp.
Northwestern Agencies
The Okonite Company
Paranite Wire & Cable Co.
J. G. Pomeroy Co.
Rhode Island Ins. Wire Co.
Rockbestos Products Corp.
John A. Roebling's Sons Co.
Rome Cable Corp.
Simplex Wire & Cable Co.
A. B. Smedley
Triangle Conduit & Cable Co., Inc.
Tri-State Supply Corp.
John B. Tubergen
United States Rubber Co.
United States Steel Corp.
H. H. Van Luven
Western Insulated Wire Co.
Westinghouse Elec. Corp.
Young & Co., Robt. A.

Wire, Bare Resistance

Driver-Harris Co.
Electrical Specialty Co.
Graybar Elec. Co.
Murphy-Hain Co.
Rome Cable Corp.
A. B. Smedley
Westinghouse Elec. Corp.

Wire Grips

Graybar Elec. Co.
Mathias Klein & Sons

Wiring Devices & Supplies

Agencies Co.
The M. B. Austin Co.
Benjamin Elec. Mfg. Co.
Benz Co., Fred D.
Jasper Blackburn Prod. Corp.
Bracken Sales Agency
The Frank H. Bran Co.
Buchanan Elec. Prod. Co.
BullDog Elec. Prod. Co.
Clifton Mfg. Co.
J. M. Chapman Co.
Cook, Co., E. B.
Earl S. Condon Co.
Crouse Hinds Co.
Electric Agencies, Inc.
Electrical Specialty Co., Inc.
Ericson Mfg. Co.
Essex Wire Corp.
Fincke Co., John M.
General Elec. Co.
General Elec. Supply Corp.
General Switch Corp.
Gough Industries, Inc.
C. J. Gratiot & Sons
Geo. A. Gray Co.
Graybar Elec. Co.
Hill Sales Co., J. T.
Geo. E. Honn Co.
Hubbard & Co.
Hykon Mfg. Co.
Ideal Industries, Inc.
Indiana Steel & Wire Co.
F. D. Kees Mfg. Co.
The Kerite Co.
Kortick Mfg. Co.
Kulka Elec. Mfg. Co.
Kwikon Co.
Levin, M.
Line Material Co., Div. McGraw Elec.
Joseph Liner
McGill Mfg. Co.
McMillen & Stanley Co.
Mineralac Elec. Co.
Mullenbach Elec. Mfg. Co.
James Mundstock
National Tel. Supply Co.
Nicholas Co., F. M.
Northwestern Agencies
Panama Lamp & Commercial Co.
Paranite Wire & Cable Co.
Paulding, Inc., John I.
Paules, E. G.
Penn-Union Elec. Corp.
J. G. Pomeroy Co.
Porcelain Products, Inc.
Reliable Elec. Co.
H. B. Sherman Mfg. Co.
Square D Co.
Sylvania Elec. Prod. Co.
Union Insulating Co., Inc.
U. S. Rubber Co.
Van Cleef Bros.
Walter E. Wallace Co.

Cornish Wire Co., Inc.
MANUFACTURERS
OF
Flexible Cord - Cord Sets
&
Electronic Wires
John M. Fincke Co.
REPRESENTATIVES
1848 N. Main St. CApitol 3398
Los Angeles 31, Calif.
782 Bryant St. DOuglas 26320
San Francisco, California

A COMPLETELY INSULATED
SPLICE
IN 3 SIMPLE STEPS
A PERFECT WIRE
TERMINATION
IN 1 EASY OPERATION

ALL installed with **1** pres-SURE-tool
BUCHANAN Electrical Products Corporation HILLSIDE N. J.

Represented by
KENNETH ANDERSON CO., LOS ANGELES
F. M. NICHOLAS CO., SAN FRANCISCO
SHAFFER & NELSON CO., PORTLAND-SEATTLE-SPOKANE
WRITE FOR CATALOG 52W

J. G. POMEROY COMPANY
1004 E. Fourth St. MA. 1105 Los Angeles
Representing
THE M. B. AUSTIN COMPANY
Roughing-in Materials, Fittings, Cluster Lights
EDWARDS & CO., INC.
All Types of Signaling Equipment
McGILL MANUFACTURING CO.
Lamp Guards, Levolier Switches and Specialties
PASS & SEYMOUR, INC.
Schedule Wiring Devices, Alabax Fixtures
WHEELER REFLECTOR CO.
Industrial, Commercial and Fluorescent Reflectors
MEPHISTO TOOL CO.
Hand Forged Electrician Tools
HYKON MFG. CO.
Wire Meters and Handling Devices
HENDERSON ELECTRIC CO.
Pipe Bending Tools

DIRECTORY of REPRESENTATIVES

A listing by states and cities of manufacturers' Western representatives handling electrical lines. **PAGES 72-76.**

DIRECTORY OF MANUFACTURERS—Alphabetical listing of manufacturers of electrical equipment, showing their principal Western offices and sales representatives. **PAGES 1 TO 53.**

WHERE-TO-BUY IN THE WEST—Alphabetical listing of various electrical products, showing Western sources. **PAGES 54-71.**

DIRECTORY OF APPLIANCE SERVICE AND REPAIR PARTS—A listing of electrical appliance manufacturers' Western service stations and parts depots. **PAGES 77-92.**

CALIFORNIA

Alameda

STONE CO., W., 2515 Lincoln Avenue.

Alhambra

THE GLENMART CO., 932 E. Main St.

Altadena

JONES & ASSOCIATES, EVERETT W., 800 Florecita Terrace

SCHOENBAUM, E. T., 2378 Highland Ave.

Berkeley

LaMOREE, C. D., 2221 Fourth St. (See advertisement, page 57)

PACIFIC CONTROL ENGINEERS, 409 American Trust Bldg.

El Monte

WOOD CO., ASH, 1038 E. Garvey Blvd.

GARDENA WESTERN ELECTRONIC ENTERPRISES, P.O. Box 1116.

Gardena

WESTERN ELECTRONICS ENTERPRISES, P.O. Box 1116.

Glendale

MICHAEL AGENCY, CLAUDE, 703 West Ivy St.

WOOLSEY, C. L., 1320 Opechee Way.

Hollywood

FERDA, RUDY, 950 No. Highland Ave.

KEESE ENGINEERING CO., 7354 Santa Monica Blvd.

MILLER CO., GERALD B., 1540 N. Highland Ave.

NEELEY ENTERPRISES, NORMAN B., 7422 Melrose Ave.

ROBERTS & ASSOCIATES, E. V., 6516 Selma Ave.

VAN GROOS, J. C., 1436 North Serrano

PARADISE, Arthur L. Dickson, 1259 Clark Road.

Los Angeles

AGENCIES COMPANY, 125 So. Santa Fe.

AIREY CO., INC., F. J. 1515 Mateo St.

ALLEN, JOHN R., 1322-W 11th St.

H. D. Easterbrook
1264 So. Boyle Ave.
Los Angeles 23, Calif.

ALLEN-BRADLEY CO.
Milwaukee, Wisc.
Electric Motor Control

ELECTRIC PRODUCTS CO.
Cleveland, Ohio
Battery Charging M. G. Sets

SORGEL ELECTRIC CO.
Milwaukee, Wisc.
Dry Type Transformers

COUNTER AND CONTROL CORP.
Milwaukee, Wisc.
Electric Counter Control Switches
Ticket Inserters

ALLEN & DARE, 1322 W. 11th St.

ALLIED INDUSTRIES. 412 Seaton St. (See Adv., page 64)

ALLIED ELEC. PROD. INC., 2559 W. Pico Blvd.

ANDERSON COMPANY, KENNETH, 412 Seaton St.

ANGUS-CAMPBELL, INC., 5320 Santa Fe Ave.

APPLETON CO., HARRY, 311 W. Pico Blvd.

ARLIN, A. W., 1812 W. Silver Lake Dr.

ARTER CO., LEE, 672 So. Lafayette Park Place.

ASSOCIATED SALES ENGINEERS, 923 E. Third St.

ASSOCIATED WHOLESALE ELEC. CO., 1111 Santee St.

BAKER SMITH CO., 616 So. Los Angeles St.

BARBERA & COMPANY, A. A., 311 No. Martel Ave.

BARSTOW & DORAN, 1406 So. Grand Ave.

BAUGHMAN CO., E. J., 350 So. Central.

BENDOLIGHT CORP., 339 E. 2nd St.

BLACK, JR., LOUIS D., 4806 Santa Monica Blvd.

BLACK & LEM, 4806 Santa Monica Blvd.

BLECKSMITH, C. C., 164 So. Central Ave.

BOOTH COMPANY, ARTHUR E., 4124 Beverly Blvd.

BOREHAM, R. S., 1206 So. Maple

BRACKEN SALES AGENCY, WM. W., 923 E. 3rd St. (See advertisement, page 61)

BRAN CO., FRANK H., 607 E. 6th St. (See adv., page 13)

BROWN CO., J. J. 129 West Second St.

BURKLYN CO., 3429 Glendale Blvd.

BURROUGHS SALES CO., 969 So. Serrano Ave.

BUSHNELL CONTROLS & EQUIP. CO., 3929 W. Jefferson Blvd.

CANFIELD CO., M. E., 420 E. 3rd St.

CAYGILL CO., 409 E 2nd

CHEMNITZ CO., ERIC F., 1148 So. Grand.

CLARK & SAWYER, INC., 600 Mateo St.

CLAPP COMPANY, R. B., 314 Omar Ave.

CLOTHIER, INC., VAN D., 1025 E. 16th St.

COCHRANE BROTHERS, 1148 So. Grand.

M. L. COHN, 1323 Venice Blvd.

COLESWORTHY, J. B., 1709 W. 8th.

CONDON, EARL S., 1151 So. Broadway

COOMBS SALES COMPANY, O. W., 1026 So. Olive St.

CORRIN, JOHN G., 600 So. Highland Ave.

CRESCENT SALES, 440 Seaton St.

CUNNINGHAM & SON, R. E., 523 W. 6th St.

DE RAMUS, BARNEY, 123 South Santa Fe.

DREYER CO., B. W., 714 W. Olympic Blvd.

EASTERBROOK, H. D., 1262 So. Boyle (See Adv., page 72)

EASTMAN PACIFIC CO., 2320 E. 8th St.

ECKERT-LLOYD CORP., 2115 So. San Pedro St.

ELECTRIC SALES CO., 1612 Maple Ave.

ELECTRICAL DISTRIBUTORS, INC., 1314 Glendale Blvd.

ELEC'L SPECIALTY CO., 418 E. 3rd St. (See advertisement, page 69)

ENGINEERING SALES COMPANY, H. M. Hall, 411 South Wall St.

ENGLISH & LAUER, INC., 1978 So. Los Angeles St.

ESTES CLAY, c/o Alexandria Hotel

FELDMAN CO., HENRY, 1001 So. Olive

FEY & KRAUSE, INC., 1635 So. Figueroa St.

FINCKE CO., JOHN M., 1848 N. Main St. (See adv., page 71)

FISKE COMPANY, INC., L. G., 712 So Olive St.

FLATAN, S., 409 E. 3rd St.

FOWLER, W. M., 2208 Sunset Blvd.

FRISBIE COMPANY, H. C., 1120 E. Pico.

GARLAND-AFFOLTER ENG. CORP., 417 So. Hill

GARNETT YOUNG & CO., 910 E. Third St.

GENERAL ELEC. SUPPLY CORP., 700 Turner St. (See adv., p. 23)

GIBBS, R. STUART, 1357 Wilshire Blvd.

GOUGH INDUSTRIES, INC., 819 East First.

GRAHAM REYNOLDS ELECTRIC CO., 300 East Third St.

GRAINGER, W. W., 311 So. San Pedro

HALDEMAN, INC., HARRY F., 2401 So. Hill St.

HARGROVE - GREEN CO., 2719 Broadway

HARFORD CO., FRANK C., 5955 Oakdale Ave., Woodland Hills Dist.

HENGER-SELTZER CO., 120 So. Hewitt.

HILL SALES CO., J. T., 890 West 11th St. (See Adv., page 70)

HITT CO., W. C., 1169 So. Broadway.

"HOCK"ENSMITH SALES, 1262 So. Boyle Ave.

HOLMES, CARL E., 2804 Clearwater St.

HOLZMUELLER, C. J., 2533 S. Hill

HOPPE & COMPANY, W. A., 3305 E. Slauson Ave.

HORN CO., WM. P., 2806 W. 7th St.

HORN, INC., HERBERT H., 915 Mateo

HOYT, GAYLORD, 154½ So. Manhattan Place.

HOWZE & COMPANY, 5603 N. Figueroa.

HUGHES, E. N., 1709 W. 8th St.

HUNDLEY CO., 3532 Fletcher Dr.

INDUSTRIAL ENGINEERING & EQUIP., 417 S. Hill (See ad, p. 9)

HUSEBY, M. F., 1331 So. Santa Fe.

JENSON INSTR. CO., 1919 Beverly Blvd.

JOAX, H. F., 1233 So. Genesee Ave.

JORDAN, E. J., 117 No. Robertson Blvd.

JOSLYN PACIFIC COMPANY, 5100 District Blvd.

KADIN, SEYMOUR H., 950 So. Flower St.

KAY MFGRS., AGENT, J. H., 4807 Beverly Blvd.

KEEBLER & PARRISH INC., 1341 So. Hope St.

KEELER, WHITE CO., 436 Colyton St.

L. W. THOMPSON

Circuit Breakers
Switch Gear
Switch Boards
Electrical Measuring Instruments
Connectors

MUtual 9076
232 So. Hill St.
Los Angeles 12, Calif.

KEESE ENGINEERING CO., 7354 Santa Monica Blvd.

KIERULFF, & CO., 820 W. Olympic Blvd.

KILIAN, J. O., 2311 Midvale Ave.

KING, W. C., 912 E. Third St.

KIRBY, WALTER W., P. O. Box 124 Vernon Branch

KIRK-PALKA COMPANY, 415 Wall St. (See adv., page 68)

KLINGER, M. H., 158 W. Pico Blvd.

KNAPP CO., JAMES H., 839 E. 4th St.

KNIGHT COMPANY, W. BERT, 10373 West Pico Blvd.
LaMOREE, C. D., 1325 San Julian. (See advertisement, page 61)
LANE, DAVE T., 817 So. San Pedro.
LASURE COMPANY, HARRY A., 2216 West 11th St.
LELAND, PAUL E., 2050 W. Florence Ave.
LEVIN, MAX, 166 No. La Brea
L'HOMMEDIEN, W. R., 722 E. Washington Blvd.
LINDEMANN, A. L., 137 No. Citrus Ave.
LINDSEY, HARRY N., 1261 West 56th St.
LINER, JOSEPH, 1827 So. Hope St. (See advertisement, page 12)
LIPPINCOTT CO., 1052 W. 6th.
LIPSSHIELD, E. COOPER, 158 W. Pico Blvd.
LITTRELL - RICHARDSON CO., 674 W. Washington.
LOMBARD - SMITH COMPANY, 714 W. Olympic. (See adv., p. 73)

LOMBARD SMITH COMPANY
714 W. OLYMPIC BLVD., L.A. 15
Factory Representative
BUELL ENGINEERING COMPANY
Cyclones & Elect. Precipitators
DESPATCH OVEN COMPANY
Ovens & Furnaces
THE IDEAL ELECTRIC & MFG. CO.
Motors, Generators & Capacitors
U. S. HOFFMAN MACHINERY CORP.
Industrial Vacuum Cleaners

LYNN & BROOKS, 3055 Wilshire Blvd.
MADDOX SALES CO., 912½ E. 3rd St.
MANUFACTURERS MARKETING SERVICE, 1490 Calzona
MARSHANK SALES CO., 672 So. Lafayette Park Pl.
MARCH COMPANY, J. W., 1517 W. Pico Blvd.
MARWOOD, LTD., 320 E. Third St. (See advertisement, page 27)
MAYDWELL & HARTZELL, INC., 455 Colyton St. (See adv., Inside Back Cover)
McCUNE-MERIFIELD, 1331 Los Angeles St.
McGUIRE, WILLIAM A., 923 E. 3rd. (See advertisement, page 62)
McLOUGHLIN CO., 811 E 14th Place
MARSHANK SALES, 672 So. Lafayette Park Pl.
MENSDORFFER, REYNOLD, 1315 E. 7th.
MICHAEL AGENCY, CLAUDE, 703 W. Ivy
MICHEL BROS., 1015 E. 16th St.
MITCHELL, CO., C. H., 1221 W. 11th St.
MODERN HOUSEHOLD SALES, INC., 336 No. San Pedro St.
MONSON ELEC. CO., 2533 So. Hill St.
MONTGOMERY BROS., 2113 South San Pedro St. (See advertisement, page 18)
MORGAN, MAC, 441 East 3rd St.
MULLENBACH CO., PAUL L., 3008 E. Olympic Blvd.
MURPHY-HAIN CO., 720 E. 2nd.
MYERS ELEC. PROD., INC., 2365 E. 57th St.
NEARY, LEONARD J., 729 So. Normandie
NEELY ENTERPRISES, 7422 Melrose Ave.
NOEL & ASSOCIATES, RAY J., 3301 Trinity St. (See advertisement, page 33)
OWENS CO., LEE H., 2331 W. Washington.
PACIFIC ELECTRO SALES, INC., 2038 Bay St.
PACIFIC SCIENTIFIC CO., 1430 Grande Vista Ave.
PANAMA LAMP & COM. CO., (See advertisement, page 12-62)
PAULES, E. G., 1762 W. Vernon Ave.
PERIN, IRA G., 2933 E. 11th St.
PERLMUTH - COLMAN & ASSOCIATES, 1335 So. Flower St.
PETERSON CO., F. SOMERS, 413 E. 12th St.
PODORSON CO., JERRE L., 758 So. Ardmore Ave.
POMEROY COMPANY, J. G., 1004 East Fourth St. (See advertisement, page 71)
PORTER COMPANY, DON, 1117 So. Robertson.
PREFERRED EQUIPMENT, INC., 4232 E. Whiteside.
PROWELL CO., H. D., 2335 East 8th St.
PURMOT, LOUIS E., 12141 Muriel Dr., Lynwood
QUALITY ELECTRIC CO., LTD., 1235 E. Olympic
RANDOLPH CO., H. J., 650 So. Grand Ave. (See advertisement, page 57)
REID CO., RALPH K., 1911 West 9th St.
RELIANCE ELEC. & ENG. CO., 714 W. Olympic Blvd.
RENZ, ROY E., 1406 S. Grand Ave.
RICHTER, IRVING H., 627 South Normandy
RITTENHOUSE, CLAY C., 235 E. Century Blvd.
ROBERTS & ASSOCIATES, E. V., 5068 W. Washington Blvd.
ROESCH CO., D. J., 2200 So. Figueroa St.
ROYAL, INC., H. M., 4814 Loma Vista Ave.
RUPP CO., V. T., 1150 W. Olympic Blvd.
RUTKIN SALES, 937 Stanford Ave.
SANFORD CO., D. E., 1049 So. Hill
SAUL & ASSOCIATES, HOWARD M., 5720 Wilshire Blvd.
SCHALLER COMPANY, J. J., 837 Traction Ave.
SCHOW, ROBT. M., 1709 W. 8th St.
SCHUELER & WESTON, 923 E. 3rd.
SHEETER, HUGH X., 406 So. Main
SHULL & SON, J. E., 350 So. Central Ave.
SIEVERS, EDWARD S., 5171 Hollywood Blvd.
SMALLCOMB ELEC. CO., 120 So. Main. (See advertisement, page 59)
SMITH, A. ALLEN, 1855 Industrial St.
SMITH, JOSEPH M., 3625 So. Grand Ave.
STEIN, H. M., 444 So. Cloverdale Ave.
STRAWN ENGINEERING REPRESENTATIVES, GEORGE A., 3312 West Vernon Ave.
STUTZ-SIMMONS, INC., 712 So. Olive.
SUES, YOUNG & BROWN, INC., 1509 So. Figueroa St.
SULLIVAN CO., L. J., 5225 Wilshire Blvd.
SWEET, WALTER S., 2115 So. San Pedro St.
TAUFENBACH CO., LES, 4860 Valley Blvd. (See adv., page 73)
THACKABERRY, M. N., 304-308 E. 3rd St.

LES TAUFENBACH COMPANY
4860 Valley Blvd., Los Angeles
1355 Market St., San Francisco
Manufacturers' Representative covering 7 Western States
Resident Salesmen in Fresno, San Diego and Portland

THOMAS AGENCY, INC., NELSON R., 2155 E. 7th St.
THOMAS CO., RAY, 1601 So. Hope St.
THOMPSON, L. W., 232 So. Hill. (See advertisement, page 51)
TIVY, GEORGE, 1148 So. Grand
TRI-STATE SUPPLY CORP., 544 So. San Pedro.
TUBERGEN, JOHN B., 2232 W. 11th St.
TURNQUIST BROTHERS, 1807 E. Olympic Blvd.
VAN LUVEN CO., H. H., 537 Ceres Ave.
W & L SALES CO., 1159 So. Broadway.
WALLACE, DON C. & WILLIAM, 1206 Maple Ave.
WARBURG CO., ED., 1207 E. 8th St.
WELBORNE, W. E., 2847 W. Pico.
WESTERN CONTROL EQUIPMENT CO., 2700 W. 34rd St.
WESTINGHOUSE ELEC. SUPPLY CORP., 905 E. 2nd St.
WILCOX CO., E. A., 406 S. Main St.
WILT CO., O. B., 9006 S. Menlo Ave.
WOOD CO., FRED C., 712 So. Olive St.
YOUNG & CO., ROBERT A., 3901 San Fernando Rd.
YUDELSON, FLOYD, 1315 So. Beverly Glen.
ZINSCO ELECTRICAL PROD., 729 Turner St.

Menlo Park

MANUFACTURERS MARKETING SERVICE, P. O. Box 277.

Oakland

BORKVIST, S., 6216 Laird Ave.
CALIFORNIA ELEC. COMPANY, 3015 Adeline
CUMMINGS, K. D., 6441 Pinehaven Rd.
CURRIER CO., 710 73rd Ave.
CURTISS, GEO. H., 222 29th St. (See advertisement, page 38)
ELECTRIC AGENCIES, 6420 Salem St.
GRIBBLE, WILLIAM, 610 16th St.
JOHNSON ENGINEERING CO., 534 20th St.
MILLER, PERRY B., 3828 14th Ave.
NOURSE EQUIP. CO., 1530 Wood St.
A. B. SMEDLEY, 192 E. Glenarm
WALLACE CO., WALTER E., 3546 Lincoln Ave. (See adv., page 9)
WINSOR, HOWARD B., 2516 Ivy Dr.

Paradise

ARTHUR L. DICKSON, 1259 Clark Road.

Pasadena

ANDERSON, DENTON L., 1106 Fair Oaks, South Pasadena
PHILLIPS, JIMMY, 155 W. State
PUELICHLER, R. T., 3151 E. Colorado St.
SMEDLEY, A. B., 1254 North Los Robles

San Diego

BELFORT, L. E., 4750 Kensington Dr.
CALIFORNIA-ARIZ SALES AGENCY, 301 W. G St.
CALIFORNIA ELECTRIC WORKS, 424 8th St.
ELECTRIC SUPPLIES DISTRIBUTING CO., 435 2nd Ave.
SETCHELL, JAMES A., 301 W. G St.

San Francisco

AGENCIES CO., 288 7th St.
ALEXANDER, W. P., 420 Market St.
ALLEN CO., CLYDE, 1355 Market St.
ALLIED FACTORS, 1355 Market St.
ANGUS-CAMPBELL, INC., 917 Bryant St.
ARTER CO., LEE, 1355 Market St.
BAKEMAN & ASSOCIATES, C. T., 445 Bryant (See advertisement, page 63)
BAKER SMITH CO., 1355 Market St.
BALLARD COMPANY, 407 Sansome St.
BASFORD COMPANY, H. R., 235 15th St.
BAUM, R. E., 1085 Monadnock Bldg.
BAXTER, L. M., COMPANY, 926 Natoma St.
BELILOVE CO., 420 Market St.
BENNETT CO., THE, 837 Howard St.
BENZ CO., FRED D., 444 Brannan St. (See advertisement, page 55)
BERGER JR., FRED W., 57 Post St.
BERMAN CO., E. L., 758 Natoma St.
BEYER, N. S., 574 Eddy.
BRADLEY CO., E. B., 462 Bryant St.
BRAINARD, W. V., 721 Clementina.
BROADHEAD STEEL PRODUCTS CO., 17th Ave. and Wisconsin Sts.
BROKAW, GEORGE K., 582 Market St.
BROOKES CO., E. JORDAN, 7 Front St.
BROOKS EQUIPMENT CO., 636 Potrero
BROWN COMPANY, 58 Sutter St.
BROWN, J. T., 420 Market St.
BUSHNELL CONTROLS & EQUIP. CO., 509 Polk St.
BUTCHER, HENRY M., 1800 Franklin St.
CADY, J. F., 995 Market St.
CALIF. ELECTRIC SERVICE, INC., 168 1st St.
CALIF. ELEC. SUPPLY, 1585 Folsom St.
CALIFORNIA ULTRAVIOLET COMPANY, 420 Market St. (See advertisement, page 31)
CAMPBELL, FRED S., 1268 Mission St.
CAMPBELL - GEORGE CO., 379 Brannan St. (See advertisement, page 61)
CEAZAN COMPANY, J. N., 1547 Mission St.
CHAPMAN COMPANY, J. M., 290 9th St. (See advertisement, p. 74)
CHEMNITZ CO., ERIC F., 1355 Market St.
CHURCH COMPANY, L. F., 750 Natoma.
CLOTHIER CO., VAN D., 666 Mission
COATES CO., A. H., 420 Market St.
COCHRANE BROTHERS, 1355 Market

L. A. NOTT
1061 Howard St.
San Francisco 3, Calif.
HEmlock 1-4738
SANGAMO ELECTRIC CO. Meters, Instrument Transformers, Time Switches, Capacitors
SUPERIOR SWITCHBOARD & DEVICES CO. Meter Enclosures and Test Devices
H D ELECTRIC CO. Max-I-Meters for Transformer Testing
TIME-O-MATIC CO. Sign Flashers, Special Time Controllers, Scoreboard Clocks

COOK COMPANY, E. B., 1063 Howard St. (See advertisement, page 66)
COOMBS, O. W., 21 South Park
CORWIN CO., 1355 Market St.
COX COMPANY, OMER, 116 New Montgomery
CROCKER, P. R., 625 3rd St.
CROWLEY CO., PAUL E., 1157 Post St.

H. B. Squires Co.
Lighting Specialists
Representing
DAY-BRITE LIGHTING INC.
RAMBUSCH—Church Lighting
SWIVELIER—Accent Lighting
MARLUX—Luminous Ceilings
156 8th Street
San Francisco, Calif.

CURTISS CO., H. R., 1355 Market St.
DALCO APPLIANCE CO., 685-7th St.
DANIEL CO., WALTER, 420 Market St.
DELIUS & THOMAS, Hobart Bldg.
DENHAM SALES SERVICE, 538 Polk St.
DETSCH & CO., 341 10th St.

J. M. CHAPMAN Co.
290 9th Street
San Francisco, Calif.
HEmlock 1-1842
Local Warehouse Stock
The Adapti Company
Conduit Fittings
Malleable Iron
Miller Electric Co.
All Types Flexible Cords—Fustats and Adapters
Plug and Cartridge Fuses
Holfast Rubber Co.
Fed. Spec. Fric. & Rubber Tape

DIETRICH, DICK, 1355 Market St.
DuFRANE COMPANY, FRANK L., 1063 Howard St.
ECKERT—Lloyd Corp., 1045 Bryant
EDWARDS COMPANY, FRANK, 382 6th St.
EICHORN & MELCHIOR, 501 Indiana. (See adv., page 70)
ELECTRICAL INDUSTRIES, 560 Ninth St.
ELECTRIC MATERIAL CO., INC., 693 Mission
ELECTRICAL SPECIALTY CO., 316 Eleventh St. (See advertisement, page 69)
ELLIOTT, DONALD T., 420 Market St.
ERLACH LEE COMPANY, 1355 Market St.
ERICKSON, J. D., 119 New Montgomery St.
ESTES COMPANY, CLAY, 1355 Market St.
EVERLEY CO., PAUL S., 1063 Howard St.
FARWELL FLETCHER, 221 11th St.
FISHER CO., R. H., 30 Harriet St.
FISKE CO., INC., L. G., 778 Natoma St.
FLETCHER, J. C., 1415 Folsom St.
FOLLETTE, CLAUDE, 383 Brannan St.
FOWLER CO., M. L., 383 Brannan St. (See adv., page 36)
FULCHER COMPANY, THE, 58 Sutter St.
GARLAND-AFFOLTER ENG. CORP., 58 Sutter St.
GARNETT YOUNG AND CO., 390 Fourth St.
GENERAL ELEC. SUPPLY CORP., 1201 Bryant St. (See adv., p. 23)
GENERAL SALES CORP., 500 Minnesota St.
GOLBUS SALES COMPANY, 1355 Market St.
GRAINGER, W. W. 156 8th St.
GRATIOT & SONS, C. J., 1282 Folsom St. (See adv., page 32)
GRAY, GEO A., 2720 17th St. (See advertisement, page 68)
GRAYBAR ELECTRIC CO., INC., 190 9th St.
GROESCHEL, ALBERT, 1355 Market St.
GUTHRIE, F. G., 420 Market St.
HAMILTON COMPANY, C. G., 1355 Market St.
HAMMOND, M. E., Tilden Sales Bldg.

FRYNE "Blo-Fans" & "Pry-Lites"
CLIFTON CONDUIT COMPANY
RATTAN MANUFACTURING CO.
TOMIC SALES & ENGINEERING
VICTOR SPECIALTIES
Electrical Fittings & Specialties
McMILLEN-STANLEY COMPANY
Factory Agents, Warehouse Stock
778 NATOMA STREET
SAN FRANCISCO 3
Telephone UN. 3-6425

HAUCK CO., ERNEST F., 383 Brannan St.
HELD, HERMAN E., 120 Main St.
HERMANS, JAMES P., 1234 Folsom St.
HILLIS COMPANY, C. C., 1982 47th Ave.
HINES, RUSS, 234 9th St.
HITT CO., W. C., 1355 Market St.
HOBELMANN & CO., H. H., 290 Bayshore Blvd.
HODGES & GLOMB, 1264 Folsom St.
HOLZMUELLER, C. J., 1108-10 Howard St.
HONN COMPANY, GEORGE E., 420 Market St. (See advertisement, page 64)
HORN CO., WM. P., 1355 Market St.
HOWE-MAGSON, INC., 420 Market St.
HUGHSON & MERTON, 1270 Bush St.
INGALLS & SONS, C. E., 681 Market St. (See advertisement, page 28)
JAMES CO., ALLAN P., 419 10th St.
JENISON MACHINERY CO., 20th and Tennessee
JONES, H. S., 627 Rialto Building.
JOSLYN PACIFIC COMPANY, 180 Potrero.
KANE CO., 1355 Market St.
KEELER-WHITE, 615 7th St.
KEESE ENGINEERING CO., 729 Harrison St.,
KING-KNIGHT CO., 774 Folsom St.
KIRK-PALKA CO., 420 Market St. (See advertisement, page 68)
KJAER EQUIPMENT CO., 1261 Howard St.
KLINGER CO., M. H., 440 Golden Gate Ave.
KOCH ASSOCIATES, GEO. S., 420 Market St.
KOLB, FRED, 598 Monadnock Bldg.
LAVENSON AND SAVASTA, 586 Sixth St.
LICHTENSTEIN, CYRIL, 1355 Market St.
LILLY, ALFRED, 907 Post St.
LIPPINCOTT CO., 461 Market St.
LOGAN SALES CO., 530 Gough.
LUNDY, RALPH B., 1063 Howard St. (See advertisement, page 75)
LYMAN, OLIVER B., 55 New Montgomery St.
LYNN & BROOKS, 2048 Market St.
MADDOX, JOHN, 420 Market St.
MAGNES COMPANY, 725 2nd St.
MANUFACTURERS MARKETING SERVICE, 2342 Franklin St.
MARINE ELEC. CO., 195 Fremont St.
MARSH CO., J. W. 1355 Market St.
MARSHALL, HARRY E., 104 Olive St.
MARWOOD, LTD., 357 Ninth St. (See advertisement, page 27)
MARYON & WILLIAMS, 1355 Market St.
MAYDWELL & HARTZELL, INC., 158 11th St. (See adv., inside back cover)
McCORMACK & CO., 450 Ninth St.
McCUNE-MERIFIELD CO., 51 Fremont.
McMILLEN-STANLEY CO., 778 Natoma St. (See adv., p. 74)
MEIER CO., CHARLES A., 1473 Harrison St.
MEYBERG CO., LEO J., 33 Gough St.
MEYERS SAFETY SWITCH, 423 Tehama St. (See advertisement, page 33)
MONSON-HOLZMUELLER, 1108-10 Howard St.
MONTGOMERY BROTHERS, 1122 Howard St. (See advertisement, page 18)
MUNDSTOCK, JAMES 320 Market St. (See advertisement, page 62)
MURPHY CO., A. B., 228 Ninth St.
NEELY ENTERPRISES, 2830 Geary Blvd.
NEWMAN, HAROLD, 420 Market St.
NICHOLAS COMPANY, F. M., 1123 Harrison St. (See advertisement, page 60)
NICKERSON & RUDAT, 383 Brannan St.
NOTT, L. A., 1061 Howard. See advertisement, page 74)
O'BRIEN INDUSTRIAL EQUIP. CO., 1295 Folsom St.
O'NEILL, L. M., 1355 Market
OTTSMAN & SONS COMPANY, ED, 536 Sansome St.
PACIFIC ELECTRO SALES, 144 Townsend St.
PACIFIC SCIENTIFIC CO., 25 Stillman St.
PALMTAG CO., E. R., 1355 Market St.
PANAMA LAMP & COM'L CO., 815 Howard St. (See advertisement, pages 12-62)
PARDEE, S. C., Sharon Building.
PARKER, R. A., 250 7th St.
PEERLITE MFG. & SUPPLY CO., 178 Fifth St.
PERIN CO., IRA G., 575 Howard St.
PETERSON COMPANY, F. SOMERS, 524 Folsom St.
PIONEER APPLIANCE CO., 1355 Market St.
PIPER, LEMAR, 420 Market St.
POLITEO, DOM, 547 Howard St.
POWER, KENT H., 26 Josepha Ave.
PRIETSCH, PAUL R., 1355 Market St.
PRINCE & COMPANY, M. P., 111 New Montgomery St.
PRUSSIA CO., ROBERT R., 224-226 Harriet St.
RALPHS-PUGH COMPANY, INC., 530 Howard St.
RADKE, Dan H., 754 Natoma St.
RICE CO., PAUL H., 1355 Market St.
ROSS CO., DAVID H., 1355 Market St.
ROUTH COMPANY, THE T. R., 742 Market St., Room 223 (See advertisement, page 70)
ROWE, ARTHUR E., 660 Mission St. (See advertisement, page 57)
RUSSELL & COMPANY, 1355 Market St.
RYALS, K. M., CO., 461 Market St. (See advertisement, page 37)
SAFETY SWITCHBOARD CO., 1445 Stevenson St. (See advertisement, page 69)
SANFORD CO., D. E., 12th and Howard Sts.
SAMSON SALES CO., 420 Market St.
SCHLAPP, FRED W., 204 Davis St.
SCHLOSS MFG. CO., LTD., 540 Mission
SCHUMAN, G. R., 1355 Market St.
SCOTT & ASSOCIATES, R. W., 2534 38th Ave.
SINAI, ARNOLD A., 65 9th St.
SMALL & CO., THOMAS, 420 Market St.
SMEDLEY, A. B., 2701 21st St.
SOLOMAN, HARRY, 1355 Market
SOMERVILLE, G.N. 780 Natoma St. (See advertisement, page 26)
SPECTOR CO., THE., 1355 Market St.
SQUIRES COMPANY, H. B., 156 8th St. See advertisement, page 74)
SQUIRES & MARSHALL, 780 Bryant (See Adv., page 51)
STONE, FRED J., 1355 Market St.
SUES, YOUNG & BROWN, INC., 1355 Market St.
SULLIVAN, RALPH W., 420 Market St.
TAUFENBACH CO., LES., 1355 Market St.
THOMAS AGENCY, NELSON R., 1355 Market St.
THOMAS & SMALL, 420 Market St.
TRI-STATE SUPPLY CORP., 554 Bryant St.
VAN GROOS, J. C., 210 Post St.
VERMILIZA, ROBERT H., 1355 Market St.
VOORHEES & COMPANY, W. R., 417 Market St.

WALLACE, THOMAS, 320 10th St.
WALTHAM, DeWITT & KRUSI, 630 Monadnock Bldg. (See advertisement, page 7)
WEIDENTHAL-GOSLINER ELEC. WORKS, 353 10th St.
WESTERN FIBERGLAS SUPPLY CO., 739 Bryant St.
WESTERN HARDWARE & TOOL CO., 122 10th St. (See adv., pp. 19, 56, 62, 65, 75)
WESTINGHOUSE ELEC. SUPPLY, 201 Potrero.
WESTON & COMPANY, WM., 1123 Moraga St.
WHITE & ASSOCIATES, GLENN B., 1355 Market.
WILCOX COMPANY, E. A., 277 7th St.
WILT CO., O. B., 1355 Market
WOOD COMPANY, FRED C., 1355 Market St.
WOODIN & LITTLE, 33-41 Fremont.

San Mateo

GOTT, D. J., 3412 Edison St.

Whittier

FULLER CO., WM. H., 1088 Palm Ave.

ARIZONA

Phoenix

ARIZONA WHOLESALE ELEC. CO., Phoenix
BENNDORF CO., WM., 401 W. Jackson St.
E. B. BOMAR, 622 No. 1st St.
COULSON, J. C., 449 West Jackson.
EADY ELECTRIC PRODUCTS INC., W. H., 957 E. Van Buren
ELECTRICAL EQUIP CO. OF ARIZ., First Ave. at Madison
GRENDAHL & SON, O. J., 726½ E. Portland St.
INDUSTRIAL ELECTRIC PRODUCTS, INC., 212 S. 7th Ave.
MAYDWELL & HARTZELL INC., 6710 N. 15th St.
REDMOND SUPPLY COMPANY, J. E., 625 W. Madison St.
SHEFLER COMPANY, H. GEORGE, 240 So. 1st Ave.
SIEGMUND, FRANK M., P. O. Box 162
SOUTHWESTERN COMPANY, Security Bldg.
STANDARD EQUIPMENT COMPANY, 155 No. First St.
THUNDERBIRD SALES CORP., Phoenix.

Tucson

CENTRAL STATION ENG. CO., 2323 Aviation Highway

COLORADO

Colorado Springs

PEYSER & CO., 1501 No. Weber

Denver

ALLEN & SON, MILTON W., 1863 Wazee St.
AMBLER, J. B., Denver National Bldg.
B. & W. SALES CO., 100 W. 13 Ave.
BACON'S, 3327 Brighton Blvd.
BELT & CO., C. D., 1921 Blake St.
BLINN CO., THE JAMES H., 1140 Speer Blvd.
BOWEN, RONALD G., 1896 So. Humboldt.
BOYER, FLOYD H., 1757 Stout St.
BRANNAN, PAT, 8769 W. Colfax
CARPENTER CO., ALLEN B., 820 Twelfth St.
CLINE & CO., 812 12th St.
CONDON, HOWARD F., 3001 Elm St.
CONNORS CO., W. H., 1590 Eudora
DAVIN, H. L., 4535 Batavia Pl.
DUNN, EDWIN C., 150 Park Place
ELECTRIC MOTOR SUPPLY CO., 1646 Blake St.
ELECTRIC MOTOR SUPPLY CO., 1646 Blake St.
ELECTRICAL SPECIALTY CO., 1015 21st St. (See advertisement, page 69)
ELLIOTT, CLYDE P., 3020 So. Cherry St.
ELSNER, F. R., 842 So. York St.
GAER-FLORANCE & ASSOCIATES, 2052 Humboldt
GALL & CO., FRED, 2050 Humboldt St.
GENERAL ELECTRIC SUPPLY CORP., 1429 18 St.
HAMILTON & ASSOCIATES, R. F., 831 14th St.
HENDRIE & BOLTHOFF CO., 1635 17th St.
HOLLOWAY CO., THE E. C., 333 Jersey St.
HYDE, RICHARD A., 3879 Tennyson St.
JOY & COX, INC., 1940 Blake
KAMPHAUSEN COMPANY, DAN, Continental Oil Building.
KAUB & COMPANY, HUBERT, 1025 Santa Fe Drive.
KEELER, WHITE CO., 204 Keith Bldg.
KOPKE SALES CO., W. L., 302 Boston Bldg.
KRIPPNER & POLLEY, No. 1 Downing.
LANDES, ZACHARY & PETERSON, 272 So. Santa Fe Dr.
LANG, C. R., 4795 Raleigh.
LARSON DISTRIBUTING CO., 550 Lincoln.
LEONARD, CO., F. J., 1229 California St.
MANUFACTURERS MARKETING SERVICE, 6209 West 26th Ave.
MEDILL SALES CO., 802 12th St.
MINE & SMELTER SUPPLY CO., 1422 17th St.
MOREY MERCANTILE CO., 1423 16th St.
MOUNTAIN STATES MACHY. CO., 1526 Blake St.
MUELLER, MARK G., 1644 Blake.
NELSON COMPANY, A. J., Box 2244
NOWELS, RICHARD W., 1918 Arapahoe St.
O'BRIEN SALES, A. J., P.O. Box 1681
OLMSTEAD CO., HARVEY M., 1534 Wazee.
PARKER CO., 4655 Colorado Blvd.
PETERSON CO., 4949 Colorado Blvd.
PORTER LITTELL SALES, 150 W. 12th Ave.
REGIONAL SALES CO., 4321 Drover
REITZ SALES, 1324 Bellaire St. N.W. 6th Ave.
RICHARDS-CONANT, 2415 15th St.
SALES ENGINEERS, INC., 51 Wazee St.
SCHLOSS & SHUBART, 1626 Wazee.
SCHMIDT SALES CO., 1206 15th St.
SCHUMANN COMPANY, KENNETH B., 814 12th.
SLAYBAUGH-THOMPSON CO., 100 W. 13th Ave.
SLUMAN & COMPANY, D. H., 130 W. 12th Ave.
SOLEN CO., ALBERT M., 1225 E. 17th Ave.
SPENCER & CO., PAUL R., 4000 York St.
STAIBLE & SONS, FRED E., 2046 Arapahoe.
STEINKAMP & CO., D. A., 936 St. Paul.
STONE-HALL COMPANY, 3101 Walnut St.
SWEENEY CO., B. K., 1601 23rd St.
TARBOX CO., GEO. E., 439 Williams St.
TITUS, C. D., 1734 Lawrence St.
URQUHART, M. B., 307 Mercantile.
VONIER, E. T., 1048 Broadway.
WILLIAMS CO., ALLEN I., 1009 17th St.
YOUNG, C. A. D., 726 Colorado Bldg.
YOUNG CO., W. E., 2134 Curtiss St.

Lakewood

HOOD SALES CO., L. D., P. O. Box 2751

Littleton

DUNN, EDWIN C., 150 Park Place

NEW MEXICO

Albuquerque

A & A SUPPLY CO., P. O. Box 1516
BERCAW COMPANY, O. M., 345 N. Vermont St.
CARDER JR. CO., THE JOHN, Box 808. (See advertisement, page 74)
ELECTRIC SUPPLY CO., 609 No. Broadway.
HOFFMANN ENGINEERING CO., 313 So. Second St.
McGILLAN SALES CO., 513 So. Amherst.
NEELY ENTERPRISES, 107 South Washington
RICHARD LANCASTER, Albuquerque Hotel.
THE SALES COMPANY, 1624 No. 1st. P.O. Box 808.

OREGON

Newberg

DEWAR-GIBBS COMPANY, 901 1st

Portland

AMERICAN INDUSTRIAL SALES CO., 2104 N.E. 13th Ave.
BACH ELECTRIC, PETE, 1233 N. W. 12th Ave.
BALLANTYNE CO., W. G., 1215 N.W. Everett
BAXTER COMPANY, L. M., 1008 S. W. 6th Ave.
BELUSKO, JAS. V., 2712 N.W. Raleigh.
BENNETT CO., F. E., 426 N.W. 6th Ave.
BLONDER AGENCIES, JOE, 2617 N. E. 14th Ave.
BRUCE-EMMET CO., 830 S. E. Alder
BURCHAM COMPANY, DON H., 917 S. W. Oak.
CAMNITZ, R. M., 1732 N. E. 25th St.
CARLSON, FRED, 607 Portland Trust Bldg.
CAVANAUGH AGENCIES, J. M., 1132 N.W. Glisan.
CHEMNITZ COMPANY, FRED G., 1310 S. W. Alder St.
COAST ELEC. & MFG. CO., 1720 N.E. 6th Ave.
CONNELLY COMPANY, F. B., of Oregon, 905 N.W. 12th Ave.
COTTRELL CO., WM. J., 11341 S.W. Pacific Highway
CRESS CO., W. H., 306 Concord Bldg.

Linemen's Catalog

Write for This FREE Catalog #10 Showing All Items Used By Linemen, Electricians, Iron Workers, Construction Co's, etc.

WESTERN HDWE. & TOOL CO.
122 10th St., San Francisco, Calif.

EDSTROM, J. E., 519 N.W. Park Ave.
ELECTRON CO., 4550 N.E. Alberta.
ELECTRIC AGENCIES, 1220 S.W. Morrison St.
EULER CO., HARRY M., 225 S.W. 1st Ave.
FARRINGTON SERVICE, 105 S.W. 5th Ave.
FALKENHAGEN CO., LOU, 907 N. W. Irving.
GARDNER, AL., 1423 N.E. 28th
GARLAND-AFFOLTER ENG. CORP., 1233 N. W. 12th Ave.

RALPH B. LUNDY
1063 Howard St.
SAN FRANCISCO 3
UNderhill 3-3110
Representing

Acme Electric Welder Co.
Spot and Seam Welders
Spot Welder Tips and Supplies
Seam Welder Discs and Supplies

Barksdale Valves
Barksdale "Shear Seal" Valves
Crescent 4-Way Magnetic Valves
Meletron Pressure Switches

Burling Instrument Co.
Electric Temperature Controls and Equipment

GENERAL ELEC. SUPPLY CORP., 300 N. W. 14th. (See adv., p. 23)
HENKEL SALES, F. C., 317 Builders Exchange Bldg.
HOFFMAN, GEORGE L., 3007 S. W. Nebraska.
HORN CO., WM. P., 821 N. W. Flanders.
JOSLYN PACIFIC CO., 1523 N. W. Kearney St.
KEARNS, JAMES L., 331 S.E. 62d
KEELER, WHITE CO., 422 N. W. 4th Ave.
KLAUS, CHAS. E., 1004 S.E. Belmont
LEVIN, M., 2438 S.W. 4th Ave. (See advertisement, page 59)
LYNN & BROOKS, 9931 N.E. Mason
MARWOOD LTD., 209 S. W. First Ave. (See advertisement, page 27)
MAY CO., INC., W. L., 215 N. W. Park Ave.

MAYDWELL & HARTZELL, INC., 1238 N. W. Glisan St. (See adv., inside back cover)
McNAIR CO., HUGH, 1205 N.W. Marshall St.
MILLER, H. C., 4546 N.E. Alberta.
MOELLER, HARRY J., 612 N.W. 20th Ave.
MONTGOMERY BROS., 1104 N. W. 15th Ave. (See advertisement, page 18)
MUNRO COMPANY, D. R., 112 S. W. Pine.
MUSGRAVE, M. N.
NEWTON, L. F., 3825 S.E. 17th Ave.
NIELSON, HOWARD B., 429 S. W. 4th Ave.
NORTHWEST SALES CO., 1602 N. W. Johnson.
PACIFIC ELECTRIC SALES CO., 140 S.E. 28th Ave.
RIEKE, R. C., P. O. Box 4242
SCHAFFER & NELSON, Inc., 411 Weatherly Bldg.
SMITH, RAY, 501 Park Bldg.
STANINGER, WILLIAM, 2104 N.E. 13th
STAR MACHINERY CO., 801 S.W. Front Ave.
STEWART CO., JAMES P., 821 N.W. Flanders
STUBBS ELEC. CO, 33 N.W. Park Ave.
TURNER & CO., WM. S., 432 Pacific Bldg.,
WESTINGHOUSE ELEC. SUPPLY CORP., 134 N. W. 8th Ave.
WHITE, E. RUSSELL, 2535 N.E. 37th Ave.
ZAUGG, FRED S., 907 N.W. Irving.

UTAH

Salt Lake City

ALDER SALES CORP., 1343 South Main St.
BINTZ CO. W. H., 433 W. 3rd So. St.
BRUCE-EMMETT CO., 1630 Sherman Ave.
CHRISTENSEN, J. R., 524 F. St.
CONELY ENG. CO., 165 So. 1st West St.
DARGER CO., THE, 328 W. 2nd South
ELGGREN & SONS CO., A. J., 428 So. West Temple.
EVANS, C. L., 181 First Ave.
FLINT DISTRIBUTING CO., 316 West 2nd So.
GATES CO., 200 So. Main St.
GENERAL ELECTRIC SUPPLY CORP., 312 West 2nd South St.
GNADT, W. E., 507 McIntyre Bldg.
HARRISON CO., WM. Z., 436 Atlas Bldg.
JWRCO., INC., 74 W. 4th South (See advertisement, page 27)
MANUFACTURERS MARKETING SERVICE, 328 West 2nd So.
MODERN ELEC. SUPPLY CO., 37 Richards St.
MOUNTAIN STATES DIST., INC., 622 So. State.
NICKERSON MACHINERY CO., 271 S. W. Temple St.
NICODEMUS, J. H., 230 So. 4th West.
PACE TURPIN & CO., 726 So. 3rd West St.
SILVER COMPANY, CLARENCE W., 550 West 7th South St.
SLUSSER, LEONARD M., 318 Dooly Bldg.
SPENCER & CO., 1421 So. Main.
STEVENS SALES CO., 41 Post Office Place.
UTILITY ENGINEERS, INC., 636 Dooly Bldg.
UNITED ELEC. SUPPLY, 117 W. 4th South St.
WESTERN SALES SERVICE, 435 Atlas Bldg.
WESTINGHOUSE ELEC. SUPPLY CORP., 210 Rio Grande St.
WILLIAMS, GRITTON & WILDE, 204 Dooly Building.

WASHINGTON

Seattle

AKERS, A. W., 2726 First Ave. So.
ALDERMAN, O. A., 4545 51st Ave. N. E.
ARNO AGENCIES, INC., 4016 14th Ave. South
BACKER COMPANY, JAMES J., 2321 2nd Ave.
BAKER SMITH CO., 209 Terminal Sales Bldg.
BAXTER CO., L. M., 1006 Lowman Bldg.
BEACON SALES CO., Merchandise Mart.
BEST, KEN H., 541 1st Ave. South (See advertisement, page 63)
BRINKLEY, R. C., 1048 6th Ave. Co.
BRUCE-EMMET CO., 1016 1st Ave.
BURCHAM CO., DON H., 2530 Warren Ave.
C. & H. SUPPLY CO., 2723 First Ave. So.
CARLSON, FRED W., 2307 5th Ave.
CARROLL, EDGAR, 2727 .First Ave.
CONLEY, P. R., 8415 Roosevelt Way.
CONNELLY COMPANY, F. B., 1015 Republican St.
COTTONGYM, ZACK, 2408 2nd Ave.
CROWE & CO., INC., F. T., 216 Walker Bldg.
ECKSTROM & ASSOC., EARL E., 2601 2nd Ave.
EICHER & COMPANY, 263 Colman Bldg.
ELECTRIC AGENCIES, 618 Second Ave.
ELECTRICAL SPECIALTY CO., 2406 First Ave. So. (See advertisement, page 69)
EVANS, C. L., Terminal Sales Bldg.
FISKE CO., INC., L. G., 265 Terminal Sales Bldg.
GARLAND-AFFOLTER ENG. CORP., 2603 Western Ave.
GARNETT YOUNG & CO., 503 Polson Bldg.
GENERAL ELEC. SUPPLY CORP., 1212 1st Ave. South (See advertisement, page 23)
GLEASONS, THE, 901 E. 45th St.
GILLETTE & McLAREN, 407 Smith Tower.
GORDON, W. G., 2216 1st Ave.
GREENE WINKLER CO., 5th Ave. at Battery.
GUENTHER, FLOYD, 2216 First Ave.
HANAUER, WM. E., 1736 1st Ave. South.
HATHAWAY THRULOW CO., 1500 Westlake North.
HEINZ COMPANY, B. T., Dexter Horton Bldg.
HENDREY CO., W. R., Smith Tower.
HEWITT CO., INC., A. D., 2718 Elliott Ave.
HOFFMAN, H. H., 319 2nd So.
HOGENSON, OSCAR, 95 Connecticut.
HUDSON COMPANY, HAROLD 100 New World Life Bldg.
INDUSTRIAL PRODUCTS CO., 2911 1st Ave. So.
INSTRUMENT LABORATORY, INC., 934 Elliott Ave. W.
INSTRUMENT SALES CO., INC., 2137 2nd Ave.
JENSEN COMPANY, VERNER O., 2616 Second Ave.
JOSLYN PACIFIC CO., 2424 First Ave. So.
KEELER, WHITE CO., 1041 6th Ave. So.
KING COMPANY, C. A., 2323 2nd Ave.
KITCHEN, INC., J. WEBB, 2115 2nd Ave.
LAMAR, L. B., 1246 1st Ave. South.
LA MOREE, C. D., 166 Jackson St. (See advertisement, page 61)
LEE COMPANY, DAVE M., 819 Thomas St.
LIPPINCOTT CO., 505 Maritime Bldg.
LUNDIN & CO., D. H., 1127 East Northlake
MARSH AGENCIES, 2601 1st Ave.
MARWOOD, LTD., 1714 First Ave. South. (See advertisement, page 27)
MAXWELL & ASSOCIATES, Northern Life Tower
MAYDWELL & HARTZELL, INC., 306 Dexter Ave. (See adv., inside back cover)
McCUNE-MERIFIELD, 999 Western Ave.
McDOUGALL CO., J. C., 520 First Ave. South.
MERRITT, RON, 217 9th Ave.
MONTGOMERY BROS., 911 Western Ave. (See advertisement, page 18)
MUSGRAVE & CO., MERRILL N., 2019 3rd Ave.
MUTH-RICHARDS CO., 2605 Western Ave.
NORRIS COMPANY, GEORGE D., 3010 First Ave.
NORTH PACIFIC ELECTRIC AGENCIES, 615 Lloyd Bldg.
NORTHWEST APPLIANCE DIST. 3433 Airport Way.
NORTHWEST SALES & ENGINEERING SERVICES, 915 Terminal Sales Bldg. (See advertisment, page 00)
NORTHWESTERN AGENCIES, INC., 4130 First Ave. South.
PACIFIC COAST HEATING & APPL. CO., Foot of Main St.
PACIFIC ELECTRO SALES, INC., 3401 4th Ave. So.
PACIFIC SCIENTIFIC CO., 1915 1st Ave. So.
PANAMA LAMP & COM'L CO., 568 1st Ave. South (See advertisement, pp. 12-62)
PARSONS & CO., C. B., 119 Belmont Ave. N.
PENNING, J. R., 2323 2nd Ave. (See advertisement, page 35)
PLATT, JOHN C., 1411 4th Ave., Bldg.
PRICE COMPANY, W. MONTELIUS, 524 1st Ave. South.
PROBY BROTHERS, 422 Smith Tower.
RADIO TELEVISION & APPL., INC., 510 Westlake North.
RAYMER COMPANY, L. L., 911 Western.
ROBERTSON, BOYD, 212 World Merchandise Mart.
ROBERTSON, BOYD, 1931 2nd Ave.
ROBINSON DISTRIBUTING CORP., 3129 Western Ave.
SANDERLIN COMPANY, 131 1st Ave. West.
SANFORD CO., D. E., 2521 2nd Ave.
SCHARR, FREEMAN C., 444 Dexter Horton Bldg.
SEGURSON, ROY P., Washington Athletic Club
SMITH CORPORATION, A. O., White Henry Stuart Bldg.
SPARKS, JAMES D., 7331 W. Green Lake Way.
STAR MACHINERY CO., 1741-1st St. So.
STONE CO., W. T., 1717 Westlake No.
STROUM, SAM, 2229-2nd Ave No.
SUNSET ELEC. CO., 300 Westlake No.
SUTTHOFF, JOHN H., 1102 Eighth Ave.
TIERNEY ELECTRICAL MFG. CO., 2713 1st South.
TRI-STATE SUPPLY CO., 318 Occidental Ave.
TURNER, W. K., Terminal Sales Bldg.
WATKINS, J. W., 551 Skinner Bldg.
WATSON COMPANY, T. T., 508 5th Ave. South.
WEDEL CO., FRANK, 3215 Western Ave.
WESTINGHOUSE ELEC. SUPPLY CORP., 1051 1st Ave So.
WHEAT & SON, W. W., 560 1st Ave. So.
WILL, E. A., 534 1st Ave. So.
WOOD CO., FRED C., Terminal Sales Bldg.
WOOD, THOMAS S., 220 9th Ave. North. (See advertisement, page 64)
WOOLLEY INSTRUMENT SERVICE, INC., 1869 S.W. Broadway

Spokane

COOK, M. E., 818 4th Ave.
CONNELLY COMPANY, F. B., 340 West Trent St.
HEATING ASSURANCE, INC., E. 124 Augusta.
HENDRICKSON & ASSOCIATES, ERNEST G., 119 Post.
KEELER, WHITE CO.
MAYDWELL & HARTZELL, INC., 814 Paulsen Bldg. (See advertisement, back cover)
NORTHWEST APPLIANCE DISTRIBUTORS, 1015 W. Riverside
PRUDENTIAL DISTRIBUTORS, INC., So. 151 Stevens.
STANDARD SALES, INC., 1219 W. First.
STAR MACHINERY CO., E. 415 Sprague Ave.
TINLING & POWELL, E. 706 Sprague Ave.

Tacoma

HOME ELECTRIC CO., 1316 A St.
LOVE ELECTRIC CO., 732 Pacific Ave.
NORTHWEST SALES & ENG. SERVICE, 1003 Washington Bldg.
STENSEN, M. A., 2330 E. 11th St.

Vancouver

HOME ELECTRIC CO., 1316 A St.,
LOVE ELECTRIC CO., 732 Pacific Ave.

HAWAIIAN ISLANDS

Hilo

WENCE, E. G., Box 1695.

Honolulu

KERR-PURCELL, 900 Richard
PRECISION RADIO SERVICE & SUPPLY, 1378 So. King St.
RAMSEY LTD., W. A.
SCHUELER & WESTERN, 305 Aliiuokalani.

BRITISH COLUMBIA

Vancouver

ALCOCK, DOWNING, WRIGHT LTD., 896 Cambie St.
PACIFIC CONTROLS, 1238 Seymour St.
RENOLD — Coventry, Ltd., 1066 Seymour St.
THOMPSON LTD., Chas. L. 144 W.

DIRECTORY of APPLIANCE SERVICE and REPAIR PARTS

A listing of electrical appliance manufacturers' Western service station and parts depots. **PAGES 77 TO 92.**

DIRECTORY OF MANUFACTURERS—Alphabetical listing of manufacturers of electrical equipment, showing their principal Western offices and Sales Representatives. **Pages 1 to 53.**

WHERE TO BUY IN THE WEST—Alphabetical listing of various products, showing Western sources. **Pages 54 to 71.**

DIRECTORY OF WESTERN REPRESENTATIVES—A listing by states and cities of manufacturers' representatives handling electrical lines. **Pages 72 to 76.**

ABC HOUSEHOLD WASHER & IRONERS (See Altorfer Bros. Co.)

A. B. STOVES DIVISION, Detroit-Michigan Stove Co., Battle Creek, Mich.
Factory Representatives: Eric F. Chemnitz, 1355 Market St., San Francisco, Calif.; Earl E. Eckstrom, 2601 2nd Ave., Seattle; Crescent Sales Co., 440 Seaton St., Los Angeles 23; Bruce Benz, Resident Salesman, 1911 N.E. 67th, Apt. D, Portland 8.
Distributors:
Spokane: Tubbs Electric Co., South 165 Post St.
Seattle: Robinson Dist. Corp., 3129 Western Ave., Seattle Radio Supply, 2117 2nd Ave.
Los Angeles: Gough Industries, 819 E. 7st St.; Barker Bros., Contracting Div.
Sacramento: Superior Sales Co., 1705 18th St.
Reno: Sierra Appliance Co.
Boise: Afton-Lemp Electric Co., 415 S. 9th
Salt Lake City: Associated Dealers Supply, 60 W. Fayette
Portland: Robinson Dist. Corp., 1235 N. W. Glisan; Gilbert Bros., 826 W. 2nd

A-P CONTROLS CORP., 2450 N. 32nd St., Milwaukee 45, Wis.
(AP, Oilifter, Trap-it, Trapdri, Unapac, Gassapack, Addapack)
Service Stations:
Portland: Oil Circulating Heater Service, 4100 S. E. Milwaukee Ave.
Seattle: Northwest Pump Service Co., 1224 Westlake, North
Tacoma: Gensco Inc., 1111 S. Tacoma Ave.
Yakima: Yakima Heating Supply Co., 16 S. 4th Ave.
Spokane: Spokane Washer Co., 203 W. Main St. (9)
Denver: Instrument Service Co., 833 Champa St. (4)
Los Angeles: George T. Hall Co., 5625 W. Washington Blvd.

ACME ELEC. HEATING CO., 1217 Washington St., Boston, Mass.
(Acme, Acrom, Acrod, Cast-X, Heetmor heaters)
Factory service only.

ACME LITE PRODUCTS CO., 350 E. 182d St., New York 57, N. Y.
("Magic Arm" fluorescent desk lamp)
Factory service only.

ACRO MFG. CO., THE. Crise Controls Div., Acro Switch Div., Columbus 16, Ohio
(Electric switches and temperature controls)

ADMIRAL CORP., 3800 Cortland St., Chicago 47, Ill.
(Admiral refrigerators, ranges, television, radios; also parts for Stewart-Warner refrigerators and ranges)
Phoenix: Arizona Hardware Co., First St. & Jackson, P.O. Box 2110
Portland: Lou Johnson Co., 422 N.W. 8th Ave. (9)
Fresno: Billings Wholesale Radio, 260 Fulton St. (1)
San Diego: Admiral Corp. Distributing Division, 1905 E. Harbor Drive (13)
San Francisco: McCormack & Co., 450 9th St. (3)
Los Angeles: Herbert H. Horn, Inc., 915 S. Mateo St. (21)
Salt Lake City: Walter B. Lloyd Co., 51 S. Second West
Denver: Allied Appliances Inc., 1531 19th St. (2)
Billings: Midland Dist. Co., P.O. Box 1154
Albuquerque: Cunningham Dist. Inc., 220 W. Marquette
El Paso: The Irion Co. Inc., 2159 Mills St.
Spokane: Jensen-Byrd Co., 314-324 Riverside Ave. (4)
Seattle: Columbia Dist. Corp., 2601 Market St., (7)

AIR CONTROLS INC., Div. of The Cleveland Heater Co., 2310 Superior Ave., Cleveland 14.
(Rez air conditioning blowers, furnace blowers, attic fans, exhaust fans, window vent fans)
Factory service only.

AIRCHIEF FANS (See Vidrio Products Co.)

AIRMASTER CORP., 4317 Ravenswood Ave., Chicago 13, Ill.
(Airmaster fans, kitchen ventilators, attic ventilators, etc.)
San Francisco: O'Keeffe the Fan Man, W. F. O'Keeffe, 58 11th st. (3). Or factory.

AIRWAY ELEC. APPL. CO., 2101 Auburn Ave., Toledo 1, Ohio.

AJAX ELEC. CO. INC., 101 Allen. Philadelphia 23, Pa.
(Ajax-Hultgren Electric Salt bath furnace)
Distributors:
Los Angeles: A. W. Nash, 3312 W. Vernon Ave. (8)

ALABAMA MFG. CO., 1st Ave. North at 13th St. Birmingham 3, Ala.
(Gem Dandy electric churn)
Factory service only.

ALADDIN INDUSTRIES INC., 705 Murfreesboro Road, Nashville, Tenn. (Formerly Mantle Lamp Co. of America)

ALLIANCE MFG. CO., Lake Park Blvd., Alliance, Ohio.
Factory service only.

ALTORFER BROS. CO., Peoria, Ill.
(ABC household washers and ironers)
Service Stations
Seattle: Appliance Parts & Service Co., 214 Stewart St. (1); Columbia Dist. Corp., 2601 Market St.
Portland: W. L. May Co., 215 N.W. Park Ave.; W. T. Dyke & Co., 12 S. E. 28th Ave. (15); Appliance Wholesalers of Oregon, 600 N.W. 14th Ave. (9)
San Francisco: Washing Machine Parts Co., 45 Rhode Island St.; The Electric Appliance Service Corp., 236 Harriet St. (3); McCormack & Co., 450 9th St.
Los Angeles: Electrical Appl. Service Corp., 726 W. Venice Blvd. (15); Washing Machine Parts Co., 1241 So. Hope St. (15); Herbert H. Horn, Inc., 915 Mateo St. (7)
Spokane: Appliance Parts & Service, W. 609 Trent St.
Sacramento: Al Bedard's Parts Supply, 1626 N. C St.
San Diego: R. E. Harris, Inc., Front & Ash St. (1); Electrical Appliance Service Corp., 302 17th St.
Denver: Boyd Dist. Co. Inc., 20 W. 13th
Salt Lake City: Mountain States Distr. Inc., 622 S. State St. (12) (for Utah & Idaho)
Phoenix: Central Washer Service, 241 S. Central Ave.; Albert Mathias & Co. Inc., 305 S. Second
Albuquerque: Albert Mathias & Co. Inc., 700 N. First.
Butte: Treasure State Gas & Electric Co., 827 S. Montana St.
El Paso: Albert Mathias & Co. Inc., P.O. Box 391

ALUMINUM GOODS MFG. CO., 15th & Washington, Manitowoc, Wis.
(Mirro, Mirro-Matic, AGM-Pure Aluminum Electric percolators)
Service Stations:
Phoenix: Vinson Carter Electric Co., 325 N. 4th St.
Bakersfield; Urner's Appl. Center, 212 21st St.
Los Angeles: Calif. Electric Service Inc., 832 S. Alvarado St. (5)
Long Beach: Calif. Electric Service Inc., 1407 E. 4th St.
Sacramento: Lameo Electric, 1415 21st St. (14)
San Diego: J. F. Zwiener Electrical Co., 1242 First Ave.
San Francisco: Calif. Electric Service Inc., 168 First St. (5)
San Jose: D & S Repair Service, 402 W. Santa Clara St.
Denver: Midwest Electric Service Inc., 1126 Sante Fe Drive
Boise: Karre Appliance Shop, 1511 State St.
Butte: Radio Eng. Service Co., 219 W. Park St.
Albuquerque: Troy's Welding Shop, 6201 N. Second St.
Medford: Trowbridge & Flynn Elec. Co.
Portland: Morrison Electric Co., 1206 S. W. Wash. at 12th Ave. (5)
El Paso: Wayne M. Tinkler & Co. Ltd., 813 Cedar at 5 Points
Salt Lake City: Appliance Service Center, 57 Richards St. (1)
Seattle: Appliance Parts & Service Co., 216 Stewart St. (1)
Spokane: Appliance Parts & Service Co., 609 W. Trent Ave. (8)

AMANA REFRIGERATION, INC., Amana, Iowa
(Refrigerators & home freezers)
Representative:
John J. Pollon, 12238 Cantura St., N. Hollywood, Calif.
Distributors:
Spokane: Evergreen Distributors, c/o Goodwin Mayflower Warehouse Co.
Portland: Lou Johnson Co., Inc., 422 N.W. 8th Ave.
San Francisco: Kaemper & Barrett, 1850 Mission St.
Los Angeles: Amana Freezer Dist., 4577 Valley Blvd.
Seattle: Love Electric Co., 318 Westlake Ave., N.
Salt Lake City, Zion Cooperative Mercantile Institution, 1665 Bennett Road
Phoenix: Arizona Hdwe. Co., 1st & Jackson St., P.O. Box 2110
San Diego: Amana Freezer Dist., 3791 Park Blvd.
Fresno: Kinney & Faust, 1740 Van Ness Ave.

AMERICAN AIR FILTER CO. INC.
(See Herman Nelson Div.)

AMERICAN BEAUTY HEATING DEVICES (See American Electrical Heater Co.)

AMERICAN ELECTRICAL HEATER CO., 6110 Cass Ave., Detroit 2, Mich.
("American Beauty" electric heating devices)
Parts and service:
Salt Lake City: Appliance Service Center, 57 Richards St. (1)
Denver: Midwest Electric Wiring Co., 323 W. Colfax Ave. (4); (9)
Seattle: Appliance Parts & Service Co., 216 Stewart St. (1)
Los Angeles: California Electric Service Inc., 832 S. Alvarado St. (5)
Portland: Morrison Elec. Service, S.W. Washington at Thirteenth
Oakland: California Elec. Service Stations, 166 Grand Ave. (12)
San Francisco: California Elec. Service Stations, 168 1st St. (5)
Spokane: Appliance Parts & Service Co., 609 W. Trent Ave. (8)

AMERICAN IRONING MACHINE CO. (See Speed Queen Corp.)
(Simplex ironers)

AMERICAN MICROPHONE CO., 370 So. Fair Oaks Ave., Pasadena 1, Calif.
Factory Service Only.

ANSLEY RADIO & TELEVISION INC., 85 Tremont St., Meriden, Conn.
(Ansley Dynatone Radios)
Dealers are authorized service stations.

APEX ROTAREX CORP., Cleveland 10, Ohio.
(Apex Rotarex, Rotarex, Faultless, Holland-Rieger, Lake State Products)
(Cleaners, washers, ironers)
Parts and service:
Oakland: Electric Appliance Parts Co., 527 E. 8th St.
San Francisco: Electrical Appl. Service Co., 1434 Howard St.; Washing Machine Parts Co., 45 Rhode Island St.
Los Angeles: Electrical Appl. Service Corp., 726 W. Venice Blvd.; (office and parts) Washing Machine Parts Co., 1241 S. Hope St.; The Ven Corp., 2832 Newell St.(service only)
San Diego: Electrical Appl. Service Co., 302 17th St.; Washing Machine Parts Co., 1743 India St.
Portland: W. L. May Co., 215 N. W. Park Ave.
Salt Lake City: Glenn Earl, Inc., 245 So. First West
Seattle: Appliance Parts & Service Co., 216 Stewart St.
Sacramento: Finnestead Washer Service, 1306 Jay St.
Spokane: Appliance Parts & Service Co., W. 609 Trent.
Albuquerque: J. Korber & Co., 200 N. 2nd St.
Denver: Ray Jones, 376 So. Broadway (9)
Distributors:
San Francisco: Apex Rotarex Corp., 1355 Market St. (3)
Reno: Osborne & Dermody, Inc., 253-255 Chestnut St.
Salt Lake City: Glenn Earl Inc., 245 So. First. West

APPLIANCE MFG. CO., Alliance, Ohio
(Duchess washers)
Distributors:
Billings: Taylor Distr. Co., 2716 Montana Ave.
Salt Lake City: Flint Distr. Co., 316 W. 2d S. St.
(Duchess & Kelvinator washing machines)
Denver: Savage & Son, 203 Wazee Market
Phoenix: Ralph W. Nixon, P. O. Box 702
Parts only:

Los Angeles: Electrical Appliance Serv. Corp., 726 W. Venice Blvd. Washing Machine Parts Co., 1241 So. Hope St. (15)
San Francisco: Electrical Appl. Service Corp., 1434 Harriet St. Washing Machine Parts Co., 1375 Mission St. (13)
Denver: Ray Jones Washing Machine Parts & Repair Co., 376 S. Broadway (9) Western Appliance Corp., 1147 Broadway (3)
Portland: W. L. May Co., 215 N. Park Ave. (9)
Seattle: Appliance Parts & Service Co., 216 Stewart St. (1)
Phoenix: Electrical Equip. Co., 424 Central Ave.
Spokane: Spokane Washer Co., North 115 Browne
San Diego: Washing Machine Parts Co., 1743 India St.

ARMSTRONG PRODUCTS CORP., Huntington 12, W. Va.
(Ironers, electrical specialties)
Los Angeles: Washing Machine Parts Co., 1241 So. Hope St.; Elec. Appl. Service, 726 W. Venice Blvd.
Portland: W. L. May Co., 215 N.W. Park Ave.
Seattle: Appliance Parts & Service Co., 214 Stewart St.
Denver: Midwest Elec. Service Co., 1124 Santa Fe Drive
San Diego: Elec. Appl. Service Co. of San Diego, 302 17th St.; Washing Machine Parts Co., 1743 India St.
San Francisco: Will M. Aronson, 666 Howard St., Washing Machine Parts Co., 1321 Mission St.

ARTISTIC NEON SIGN CO., 1661 N. Western Ave., Hollywood 27, Calif.

ARVIN INDUSTRIES, INC., Columbus, Ind. (Formerly Noblitt-Sparks Industries, Inc.)
Service Stations:
Phoenix: Dependable Radio & Elec. Co., 1631 W. Jefferson St.
Los Angeles: Electrical Appliance Service Corp., 726 W. Venice Blvd. (15)
Sacramento: Lameo Electric, 1415 21st St.
San Diego: Electrical Appliance Service Corp., 302 17th St.
San Francisco: Will M. Aronson Co., 666 Howard St. (5)
Denver: Midwest Electric Service Co., 1124-26 Santa Fe Drive (4)
Portland: Morrison Electric Co., 1206 S. Wash. at 12th Ave. (5)
El Paso: Wayne M. Tinkler & Co., Ltd., 813 Cedar
Salt Lake City: Appliance Service Center, 57 Richards St.
Seattle: J. M. Hooper Electric Co., 222 Marion St. (4)
Spokane: Spokane Appl. Repair, S. 173 Wall St. (8)

ASSOCIATED MFGRS., 60 Federal St., San Francisco, Calif. (Subsidiary of Noma Elec. Co. See Noma.)

ASSOCIATED PROD. INC., Sales office—1025 2nd Nat'l Bank Bldg., Akron, Ohio. Factory office—20 S. Ontario St., Toledo (2), Ohio
Service Stations:
Los Angeles: Sterling Service, 929 S. Grand Ave. (15)
San Francisco: Duhl-Beck Electric Co., 118 Main St.

ASSOCIATED PROJECTS CO., INC., 157 Marconi Blvd., Columbus, Ohio
(LumiNite. Electric Lighted switch plates, Indicator Lights-Neon lamps)
Portland: Bressie Electric Co., 909 S.W. Fifth Ave.
Butte: Monitor Home Appliances Inc., 604 Utah St.
Spokane: Spokane Appl. Repair, S. 173 Wall St. (8)

AUTH ELECTRIC CO. INC., 34-20 45th St., Long Island City 1, N.Y.
(AuthOtone door chimes, signaling systems)
Parts furnished from factory.

Service Stations:
Los Angeles: Agencies Co., 125 S. Santa Fe Ave. (12)
San Francisco: Robert R. Prussia Co., 224-26 Harriet St. (3)
Seattle: Shaffer & Nelson, 312 Occidental Ave. (4)
Spokane: Shaffer & Nelson, 824 Realty Bldg.
Denver: Everett T. Vonier Co., 1160 Elati St. (3)
Portland: Shaffer & Nelson, 1204 N. W. Glisan
Salt Lake City: Darger Co., 328 W. Second, S. (1)

AUTOMATIC ELECTRIC MFG. CO., 10 State St., Mankato, Minn.
Representatives:
Los Angeles: R. B. Clapp Co., 314 Omar Ave. (13)
San Francisco: Ballard Co., 407 Sansome St. (11)
Seattle: Dooley-Way Co., 1001 West Lake Ave. N.

AUTOMATIC WASHER CO., Newton, Iowa
(Laundry Queen washers)
Los Angeles: Electrical Appliance Service, 726 W. Venice Blvd. (15); Washing Machine Parts Co.
San Francisco: Elec'l Appliance Service; Washing Machine Parts Co.
San Diego: Elec'l Appliance Service; Washing Machine Parts Co.
Portland: W. L. May Co.
Seattle: Appliance Service Co.
Denver: Ray Jones Washing Machine Parts & Repair Co., 376 So. Broadway
Salt Lake City: A-1 Master Electric Shop, 47 E 4th South St.
Repair parts for Prima washers can be furnished from factory.

AVCO MFG. CORP.
(See Crosley Division)

BABY GRANDE WASHERS (See Vidrio Products Co.)

BAR-BROOK MFG. CO., P.O. Box 6638, Cedar Grove Station, Shreveport, La.
Factory service only.

BARLOW & SEELIG MFG. CO. (See Speed Queen Corp.)

BARTON CORP., West Bend, Wis.
(Barton electric and gasoline engine washers, gas and electric clothes dryers, electric ironers)
Albuquerque: Zork Hardware Co., 1414 No. 12th St.
Los Angeles: U. S. Grant Supply Co., 2900 E. 11th St.
Denver: George S. Conley Co., 731 15th St.

BASIC PRODUCTS CORP., 2222 W. Sample St., South Bend, Ind.
(Magic refrigerator defrosters and time controls)
Los Angeles: J. E. Shull & Son, 350 S. Central Ave. (13)

BAUER MFG. CO., 3121 W. El Segundo Blvd., Hawthorne, Calif.
(Bauer Electric wall and water heaters)
Factory service only.

BEAM MFG. CO., Webster City, Iowa.
(Coronado, Wizard and A.M.C. washers)
Denver: Ray Jones Washing Machine Co., 376 So. Broadway
Distributors:
Members of Appliance Parts Jobbers Assn.
Gamble Skogmo Stores
Gamble Western Auto Stores
AMC Stores

BELTER ELEC. MFG. CO., G. J., 3830 Olive St., St. Louis 8, Mo.
(Belco exhaust, ventilating and window fans)

BENDIX HOME APPLIANCES INC., 3300 W. Sample St., South Bend, Ind. Div. Avco Mfg. Corp.
(Bendix Home Laundry)
Distributors:
Seattle: Harper-Meggee Inc., 960 Republican St. (9)

Spokane: Harper-Meggee Inc., 734 N. Division St.
Portland: Harper - Meggee Inc., 1506 N. W. Irving St. (9)
San Francisco: Leo J. Meyberg Co., 33 Gough St. (1)
Los Angeles: Leo J. Meyberg Co., 2027 S. Figueroa St. (7)
Denver: Larson Distr. Co., P. O. Box 4013 (Colo. N.M. & Wyo.)
Salt Lake City: Flint Distr. Co., 316 W. 2d S. St. (Utah, Ida., Wyo.)
Phoenix: Electrical Equip. Co., 1st Ave. at Madison
Billings: Taylor Distributing Co., Inc., 4148 First Ave. South (Mont. & Wyo.)
El Paso: H. E. McMasters Co., 700 E. Paisano Drive
Honolulu: Electrical Distributors, Ltd., P. O. Box 228

BENDIX TELEVISION AND RADIO, Baltimore 4, Md.
(Division of Bendix Aviation Corp.)
(Bendix television and radios)
Distributors:
San Francisco: Kane Co., 178 Townsend
Los Angeles: Mulhausen & Hannegan, 1206 Maple Av., Rm. 843 (13)
Portland: D. E. Lindsay Co., 1233 N.W. 12th Ave. (9)
Denver: Nelfan Co., 702 Ernest & Cramer Bldg. (2)

BERNHARDT CO., INC., McDonough, Ga.
Factory service only.

BERSTED MFG. CO., Fostoria, Ohio.
Service Station:
Denver: Marine Air Conditioners, 1863 Wazee St. (2)

BIRTMAN ELEC. CO., 4140 Fullerton, Chicago, Ill.

BLACKSTONE CORP., 1088 Allen St. Ext., Jamestown, N. Y.
(Blackstone home laundry equipment)
Representatives:
Los Angeles: H. E. Caygill, 409 E. 24 St. (12)
San Francisco: Thompson-Diggs Co., 1355 Market St.
Portland: Stubbs Elec. Co., 53 N. W. Park Ave.
Spokane: Tubbs Electric Co., 165 S. Post St.
Denver: Robert F. Clark Co., 3062 Blake St.
Phoenix: Butane Corp., 19th Ave. & Linden
Salt Lake City: Western Gas Appliance, P.O. Box 2407
San Diego: Gold E Distributors, 1905 E. Harbor Dr.
Seattle: Love Electric Co., 318 Westlake No.
Billings: Montana Gas Appliances, 3729 Montana Ave.

BORG-WARNER CO. (See Norge Div.)

BOSS WASHERS (See Frantz Mfg. Co.)

BRADLEY TOOL AND ENGINEERING, 915 Woodville St., Toledo 5, Ohio
(Roaster-Server)
Factory service only.

BRAMMER MFG. CO., Davenport, Iowa.
(Brammer Living Kitchens, B and R Kitchen Unit)

BROILKING APPLIANCES (See International Appl. Corp.)

BUFFALO FORGE COMPANY, P. O. Box 985, Buffalo 5, N. Y.
(Small exhaust fans, large ventilating fans, unit heaters, air cond. equip.)
Factory service only.

BURDICK CORP., THE, Milton, Wis.

BURNHAM CORP., Box 351, Zanesville, Ohio
(Burnham electric steam radiators and explosion-proof electric radiators)
Distributors:
Hermosa Beach: Mrs. Irene Danely, 66 Strand
San Francisco: Thompson & Holmes Ltd., 620 Second St. (7)
Denver: Kent Engineering, P.O. Box 1287 (1)
Portland: Bruce-Emmett Co., 830 S.E. Alder St. (14)
Seattle: Milton T. Chase, 1337 44th Ave., S.W. (6)

BURPEE CAN SEALER CO., 128 W. Liberty St., Barrington, Ill.
(Burpee French Fryer)

CABLE ELECTRIC PRODUCTS INC., 234 Daboll St., Providence 7, R.I.
(Melody bells and buzzers; Snapit chimes and transformers, cord sets, wiring devices)
Representatives:
Los Angeles: Frank H. Bran Co., 607 E. 6th St. (21)
Denver: Allen B. Carpenter Co., 820 12th St. (4)
Seattle: C. A. King Co., 2323 Second Ave.
Warehouse:
San Francisco: 444 Brannan St. (7)

CADILLAC ELECTRIC VACUUM CLEANER (See Clements Mfg. Co.)

CALBEST ENG. & ELECTRONICS CO., 828 N. Highland Ave., Hollywood 38, Calif.
Factory service only

CALIFORNIA DESIGN MFG. CORP., 228 N. Front St., Burbank, Calif.
Factory service only.

CALKINS APPL. CO., Niles, Mich.

CAMFIELD MFG. CO., Grand Haven, Mich.
Service Stations:
Billings: Billings Electric Supply Co., 214 N. 30th St.
Denver: Midwest Electric Co., 1124-26 Santa Fe Drive (4)
Los Angeles: Electrical Appliance Service, 726 W. Venice Blvd. (15)
Portland: W. L. May Co., 215 N. W. Park Ave. (9)
San Diego: Electrical Appliance Service, 302 17th St. (2)
San Francisco: Electrical Appliance Service, 1434 Howard St. (3)
Salt Lake City: Appliance Service Center, 57 Richard St. (1)
Seattle: A. Appliance Co., 610 E. Pine St. (22)
Honolulu: Electrical Distributors, 1216 Kapiolani Blvd.

CANTON CLOTHES DRYER CO., 868 Hillman Bldg., Canton, Ohio
(Canton clothes dryer)
Factory service only.

CAPEHART - FARNSWORTH CORP., 3700 E. Pontiac, Fort Wayne 1, Ind.
(Capehart radio and television)
Distributors:
San Francisco: Thompson & Holmes Ltd., 650 Second St., (7)
Denver: Larson Dist. Co., 550 Lincoln St. (9)
Helena: D. N. Latus & Co., 1531 National Ave.
Las Vegas: Saviers Electrical Products Corp., 101 E. Charleston (P.O. Box 1231)
Portland: Central Distributors, 1131-35 S. W. Washington St. (5)
Salt Lake City: S. R. Ross Inc., 1212 S. State St. (4)
Seattle: Seattle Radio Supply Inc., 2117 Second Ave. (1)
Spokane: Standard Sales Inc., 1219 W. First Ave. (8)
Honolulu: Easy Appliance Co., 91 S. King St. (3)

CARRIER CORP., 300 S. Geddes St., Syracuse, N. Y.
Branch Offices:
Los Angeles: 1500 S. Santa Fe Ave.
San Francisco: 251 1st St.
Denver: 1718 California St.

CASCO PRODUCTS CORP., Bridgeport 2, Conn.
(Casco steam and dry irons, electric heating pads, power tools)
Service Stations:
Los Angeles: State Appliance Service, 2224 W. 7th St. (5)
San Francisco: Appliance Service Factors, 123 Steuart St.
Denver: Midwest Electric Service Co., 1124 Santa Fe Drive
Portland: Bressie Electric Co., 909 S. W. 5th Ave. (4)
Salt Lake City: Appliance Service Center Inc., 57 Richards St. (1)
Spokane: Spokane Appliance Repair, S. 173 Wall St. (8)

CASS WASHERS (See Whirlpool Corp.)

CENTURY PRODUCTS WORKS INC., 503-507 W. 56th St., New York 19, N.Y.
Service Stations:
Los Angeles: Better Fix It Shop, 8580 W. Pico Blvd.
Portland: Bressie Elec. Co., 909 S.W. 5th Ave. (4)

CHAMPION LAMP WORKS, 600 Broad St., Lynn, Mass.
Pacific Coast Distributor:
San Francisco: Panama Lamp & Commercial Co., 815 Howard St., with warehouses at 1001 E. First St., Los Angeles, and 912 12th Ave, Seattle.

CHELSEA FAN & BLOWER CO., 639 South Ave., Plainfield, N. J.
Factory service only

CHICAGO DRYER CO., 2210 N. Pulaski Rd., Chicago 39, Ill.
(Chicago washer, extractor, ironer, clothes dryer, laundry equipment)
Factory service only.

CHICAGO ELECTRIC MFG. CO., 6333 W. 65th St., Chicago 38, Ill.
(Handyhot and Sterling appliances)
Service stations:
Los Angeles: Electric Lighting Supply Co., 216 W. 3rd St. (13)
San Francisco: Byington Elec. Co., 1809 Fillmore St. (15)
Portland: Bressie Elec. Co., 909 S. W. 5th St. (4)
Salt Lake City: Appliance Service Center, 57 Richards St. (1)
Butte: Radio Engineering & Service Co., 219 W. Park St.
Denver: Midwest Elec. Service Co., 1126 Santa Fe Drive
Seattle: J. M. Hooper Electric Co., 222 Marion St. (4)
Spokane: Oren's Radio & Elec. Co., 1827 E. Sprague Ave.
Phoenix: Dependable Radio & Electronics Co., 1631 W. Jefferson St.
Albuquerque: Troy's Welding Shop, 6201 N. 2nd St.
Honolulu: W. R. Ramsey, Ltd., P.O. Box 1721

CHICAGO ELECTRIC MFG. CO., National-White Cross Div., 6333 W. 65th St., Chicago 38, Ill.
(White Cross and National waffle irons, sandwich toasters, washers, wringers, flat irons, fans, heating pads, mixorblends, frost controls, coffee-vacs, hot plates)
Service Stations:
Los Angeles: California Elec. Service Inc., 832 S. Alvarado St.
San Francisco: Byington Elec. Co., 1809 Fillmore St.
Butte: Radio Eng. & Serv., 219 W. Park St.
Eugene: C & S Electric, 1070 Williamette
Portland: Eureka Electric Co., 510 S.W. Salmon St.
Salt Lake City: Eureka Appliance Co., 177 E. Broadway
Seattle: Appl. Parts & Serv. Co., 214-216 Stewart St.
Spokane: Appl. Parts & Serv. Co., 609 W. Trent Ave.
Tacoma: Ajax Electric Co., 747 Fawcett Ave.
Phoenix: Dependable Radio & Elec. Co., 1535 W. Jefferson St.
Denver: West. Appl. & Elec. Co., 1159 Stout St.

CHICAGO FLEXIBLE SHAFT CO. (See Sunbeam Corp.)

CHROMALOX UNITS (See Wiegand Co.)

CLEMENTS MFG. CO., 6650 S. Narragansett Ave., Chicago (38), Ill.
(Cadillac elec. vacuum cleaner, portable electric blowers)
Portland: Vacuum Cleaner Specialists, Inc., 18 N. W. 4th Ave. (9)
Seattle: Appliance Parts & Service Co., 216 Stewart St.
Los Angeles: Jesse M. Few, 1515 W. 7th St. (14)
San Diego: J. H. Hughes Appliance Co., 718 "E" St.
San Francisco: Noel Vacuum Cleaner Co., 523 Valencia St.
Sacramento: Remington's Vacuum Cleaner Center, 2820 21st St.
Hawaii: Send inquiries to factory

CLEVELAND HEATER CO. (See Air Controls, Inc.)

COLDSPOT REFRIGERATORS (See Seeger Ref. Co.)

COLEMAN COMPANY INC., Factory—Wichita, Kansas. Factory branch and warehouse: 6506 So. Stanford Ave., Los Angeles 1, Calif. (For Southern California and Arizona)
Factory branch: 185 Rhode Island St., San Francisco 3, Calif. (For Northern California)
Factory handles direct Ore., Wash., Idaho, Mont., Utah, Nev., N. M., Colo., Wyo.

COLLINS CONCRETE & STEEL PIPE CO., 3841 N. Columbia Blvd., Portland (17) Ore.
(Collins and Watermaster elec. water heaters)
Factory service or local dealers only on parts. Defective parts, one year old or less, should be returned with order, accompanied by serial No., owner's name and date of installation.

COLLMAN MFG. CORP., 421 W. 12th St., Erie, Pa.

COLONIAL-PREMIER CO., 466 W. Superior St., Chicago 10, Ill.
(Certified lamps and shades, walletes, and smokers)
Parts from factory only.

COLUMBIA ELEC. & MFG. CO., W. 1024 Ide Ave., Spokane 5, Wash.

COLUMBIA ELECTRIC WATER HEATERS (See Nat'l Steel Construction Co.)

CONLON BROS. MFG. CO., 4512-18 W. Fillmore St., Chicago 24, Ill.
Parts and Service:
Denver: Ray Jones Washing Machine Parts & Repair Co., 376 So. Broadway (9)
San Francisco: Electrical Appl. Ser. Co., 236 Harriet St. (3)
Portland: W. L. May Co., 215 N. W. Park Ave. (9)
Seattle: Appliance Parts & Service, 216 Stewart St. (1)

CONLON-MOORE CORP., 1806-1828 S. 52nd Ave., Chicago 50, Ill.
Parts Distributors:
Los Angeles: Electrical Appl. Service Corp., 726 W. Venice Blvd.; George H. Williams Co., 5600 Tuxedo Terrace (28)
Sacramento: Al Bedard's Appliances, 1626 N. C St.
San Francisco: Electrical Appl. Service Corp., 1434 Howard St. (3); Arthur C. Maryon Co., 1355 Market St. (3); Washing Machine Parts Co., 1375 Mission St.
Denver: Ray Jones, 376 S. Broadway
Butte: Montana Power Co., P.O. Box 1338
Portland: W. L. May Co., 215 N. W. Park Ave. (9)
Logan: Montrose's, 33 Federal Ave.
Salt Lake City: A-1 Master Electric, 47 E. 4th South; General Sales Co., Atlas Bldg.
Seattle: Appliance Parts & Service Co., 216 Stewart St.; Robinson Dist. Corp., 3129 Western Ave. (1)
Spokane: Appliance Parts & Service Co., 609 W. Trent Ave. (8)
Honolulu: Hawaiian Electric Co. Ltd.

CONNECTICUT APPLIANCE CO., Winsted, Conn. (Subsidiary of Son-Chief Electrics, Inc.)
(Coronet appliances)
Service Stations:
Seattle: J. M. Hooper Electric Co., 222 Marion St.
Portland: Morrison Electric Co., S.W. Washington at 13th
Los Angeles: California Electric Service Station, 832 S. Alvarado St.
San Francisco: P. & D. Appliance, 1414 34th Ave.
Denver: Midwest Elec. Service Co., 1124-26 Santa Fe Drive
Amarillo: Panhandle Appl. Service, 407 No. Fillmore

CONNECTICUT CLOCKS (See Ingersoll Div.)

CONNOR, W. B., ENG. CORP., Danbury, Conn.

CONRAC INC., Glendora, Calif.
(Conrac Television receivers)
Factory service only.

CONTINENTAL ELEC. CO., 715 Hamilton St., Geneva, Ill.
(Cetron Tubes & Electronic Specialties)
Western representatives:
Gardena, Calif.: Alfred W. Harris, Western Electronic Enterprises, 3348 W. Compton Blvd. (for California)
Seattle: C. B. Parsons & Co., 115 Belmont Ave. No. (for Washington and Oregon.)
Also service at factory

COOLERATOR CO., Duluth 1, Minn.
(Electric refrigerators, ranges and freezers)
Distributors:
Los Angeles: Sues, Young & Brown, 3636 So. Bronson Ave.
San Diego: Lee Distributing Co., 820 W Ash St.
San Francisco: Pioneer Appliance Co., Inc., 1355 Market St. (1)
Portland: Schafer-Wright Inc., 1233 N.W. 12th Ave.
Seattle: Seattle Radio & Supply Inc., 2117 2d Ave. (1)
Spokane: True's Dist. Co., N. 730 Hamilton
Salt Lake City: Glenn Earl Inc., 245 So. 1st West
Phoenix: Albert Mathias Co., 305 So. 2nd Ave.
Albuquerque: Albert Mathias Co., 315 No. Broadway
Butte: Ellis Paint Co., 910 S. Arizona St.
El Paso: Albert Mathias Co., 115 S. Mesa (1)

CORNING GLASS WORKS, Corning, N. Y. Branch office, 1355 Market St., San Francisco, Calif.

COROAIRE HEATER CORP., 1422 Euclid Ave., Cleveland 15, Ohio.
Los Angeles: Conditionaire Ltd., 4000 N. Mission Rd (32)
Portland: Lou Johnson Co., 422 N.W. 8th St. (9)
Seattle: Northwest Appl. Dist., 3433 Airport Way (1)
Billings: Midland Implement Co., 2303 Montana Ave.
Phoenix: Wm. English
Denver: Hassco Inc., 1745 Wazee St. (1)

CORONET APPLIANCES (See Connecticut Appliance Co.)

CORY CORP., 221 N. LaSalle St., Chicago 1, Ill.
Service Stations:
Portland: Bressie Electric Co., 909 S. W. 5th Ave.
San Francisco: H. C. Johnson, 443 Valencia
Los Angeles: Sterling Service, 950 So. Flower
Seattle: Appliance Service Station, 1220 Westlake Ave No.
Eugene: C & S Electric, 1070 Williamette.
San Diego: J. F. Zwiener Electric Co., 1242 First St. (1)
Denver: Midwest Electric Service Co., 323 W. Colfax Ave. (4)
Long Beach: Baum Electric Co., 1100 Myrtle Ave.
Palm Springs: McLaughlin Electric, 190 No. Indian Ave.
Sacramento: Lam-Co Electric, 1415 21st St.
Salinas: Salinas Valley Hotel Sup., 117 Main St.
Boise: Electric Service Co., 826 Idaho St.
Lewiston, Idaho: John's Electric Shop
Moscow, Idaho: Moscow Electrical Co., 203 So. Main St.
Twin Falls: Electric Service Co., 233 2nd Ave. East
Astoria: Aladdin Electric Co., 211 W. Bond St.
Bend: Deschutes Electric, 838 Wall
Grants Pass: Hollywood Electric Co., 626 So. 6th St.
Klamath Falls: Leach Service, 123 So. 6th St.
La Grande: Vaughan's Electric, 1117 Adams St.
Medford: Trowbridge & Flynn Elec., 214 W. Main St.
North Bend: North Bend Electric, 1980 Sherman Ave.
Pendleton: R. A. Fjelland Fixit Shop, Second & Courth.
Roseburg: Roseburg Electric, 131 No. Jackson.
Salem: Marion Electric Co., 2697 Portland Road.
Ogden: Appliance Service Center, 2420 Grant Ave.
Salt Lake City: Appliance Service Center, 57 Richards St.
Aberdeen: A. & F. Electric Shop, 112-114 So. Jefferson St.
Bremerton: Ahearn Electric Co., 826 6th St.
Everett: The Willingham Elec. Co., 1810 Hewitt St.
Kennewick: Grigg Bros., 214 Kennewick Ave., Box 227.
Longview: Nelson Electric Co., 1145 Commerce St.
Mount Vernon: The Consumers Elec., Inc., 2nd and Milwaukee.
Port Angeles: Olympic Electric Co., 5th and Lincoln.
Spokane: Maxwell's, Inc., First Ave. at Wall St.
Tacoma: Ajax Electric Co., 747 Fawcett Ave.
Walla Walla: Appliance Services, Inc., 113 W. Adler St.
Wenatchee: Edwards Appliance Shop, 318 Pennsylvania Ave.
Yakima: Yakima Hardware Co.

CROSLEY Division — Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio
(Crosley radios, refrigerators, freezers, ranges and kitchens)
Distributors handling repairs parts and doing servicing:
San Francisco: California Elec. Supply Co., 1535 Folsom St. (3)
Los Angeles: J. N. Ceazan Co., 1700 S. Figueroa St. (15)
San Diego: J. N. Ceazan Co., 1945 E. Harbor Dr. (1)
Portland: Crosley Distributing Corp.; 2900 N.W. 29th St. (10)
Denver: Graybar Elec. Co., Inc., 104 Wazee St. (4)
Seattle: Crosley Dist. Corp., 1534 1st Ave. S. (4)
Spokane: General Distributors, Inc., 124 E. Trent Ave. 1st Ave. S. (4)
Tucson: Appliance Distributors, 204 So. Park Ave.; P.O. Box 1470
Salt Lake City: Western Supply Co., 357 W. Second St. S
Phoenix: Appliance Distributors, 213 So. 11th Ave.; P.O. Box 6283

CURLEY ELEC. MFG. CO., 2113 S. Orange Drive, Los Angeles 16, Calif.
(Heating elements for electric appliances, thermostats and fuses)

DANRAY-PARKE CO., 1200 East Park Place, Milwaukee 11, Wis.

DEEPFREEZE APPLIANCE DIV., MOTOR PROD. CORP., 2301 Davis St., N. Chicago, Ill.
Distributors:
Phoenix: Al Jennings Co., 607 W. Washington St.
Los Angeles: Ray Thomas Co., 1601 S. Hope St.
San Francisco: Frank Edwards Co. Inc., 382 6th St.
Salt Lake City: Jackson Distributing Co., 622 S. State St.
Billings: Keefe Auto Supply Co., 3017-19 Montana Ave.
Portland: Stubbs Electric Co., 33 N. W. Park Ave. (9)
Seattle: Schwabacher Hdw. Co., 401 First Ave., S.
Spokane: Tubbs Electric Co., 165 So. Post St.
El Paso: Boyd Dist. Co., 2209 Mill St.
Denver: Boyd Dist. Co., 20 W. 13th Ave.

DELCO APPL. DIV., GENERAL MOTORS, 391 Lyell Ave., Rochester, N. Y.

DELTA ELEC. CO., 33rd and Nebraska, Marion, Ind.
(Electric lanterns, bicycle headlights, taillights, horns, generators)

DELUXE HAIR DRYERS
(See Vidrio Products Co.)

DELUXE VACUUM CLEANERS
(See Ohio Elec. Co.)

DETROIT MICHIGAN STOVE CO., Battle Creek, Mich. (See A-B Stoves)

DEXTER CO., Fairfield, Iowa.
Denver: Ray Jones, 376 Broadway (9)

DeWALD RADIO MFG. CORP., 35-15 37th Ave., Long Island City, N. Y.
(DeWald TV and Radios)
Factory service only.

DOMESTIC SEWING MACHINES CO., Cleveland 1, Ohio
Distributors:
Phoenix: Arizona Wholesale Supply Co. Inc., 505 W Madison St. (P.O. Box 2379)
Billings: Northwestern Auto Supply Co., 420 N. 28th.
Denver: Boyd Distributing Co., 20 W. 13th Ave. (4)
Los Angeles: Leo J. Meyberg Co. Inc., 2027 S. Figueroa St. (7)
San Francisco: Leo J. Meyberg Co., Inc., 33 Gough St. (1)
Albuquerque: Boyd Dist. Co. Inc., 306 E. Lead St.
Portland: Home Makers Supply Co., 824 S. W. 18th Ave. (5)
Salt Lake City: Zion's Cooperative Mercantile Institution, Wholesale Furn. & Appl. Div., Box 1109, 1665 Bennett Rd. (10)
Seattle: Home Makers Supply Co., 2416 First Ave.
Spokane: Prudential Distributors Inc., S. 151 Stevens St. (8)

DOMINION ELECTRIC CORP., 120 N. Elm St., Mansfield, Ohio
Service Stations:
Fresno: The Clock Shop, 1418 Fulton St.
Los Angeles: Calif. Electric Service Inc., 832 S. Alvarado St. (5)
San Diego: J. F. Zwiener Electrical Co., 1242 First Ave.
San Francisco: Will M. Aronson Co., 666 Howard St. (5)
Portland: Morrison Electric Co., 1206 S. W. Washington at 12th
El Paso: Wayne Tinkler Co., 813 Cedar St. at Five Points
Seattle: J. M. Hooper Electric Co., 222 Marion St.
Spokane: Duncan Electric Co., 124 N. Washington St.

DORMEYER CORP., 4300 N. Kilpatrick Ave., Chicago 41, Ill.
(Electric Food Fixer, Meal Maker, Fri-Well, Blender, Toastmaker, Dormey)
Service Stations:
Phoenix: Vinson-Carter Electric Co., 325 N. 4th St.
Los Angeles: California Electric Service Inc., 832 S. Alvarado St. (5)
San Francisco: California Electric Service Inc., 168 First St.
Sacramento: Lamco Electric, 1415 21st St.
San Diego: Electrical Appl. Service Corp., 302 17th St. (2)
Denver: Midwest Electric Wiring Co., 1126 Santa Fe Drive (4)
Portland: Bressie Electric Co., 909 S.W. 5th Ave.
Salt Lake City: Appliance Service Center, 57 Richards St. (1)
Seattle: J. M. Hooper Electric Co., 222 Marion St.
Spokane: Appliance Parts and Service, 609 W. Trent
Tacoma: Ajax Electric Co., 747 Fawcette Ave.
Honolulu: Masa's Radio and Appl. Shop, 12 N. Beretania St. (18)

DOVER MFG. CO., 524 River St., Dover, Ohio.

DUCHESS WASHERS
(See Appliance Mfg. Co.)

DULANE INC., 1900 River Road, River Grove, Ill.
(Fryryte, Butteryte, Coffeeryte)
Service Stations:
Los Angeles: California Electric Service Inc., 832 S. Alvarado St. (5)
San Francisco: Will M. Aronson Co., 666 Howard St.
Denver: Western Appliance & Electric, 1159 Stout St.
Portland: Bee Electric Service, 28 N. W. 10th Ave.
Seattle: Appliance Parts & Service, 216 Stewart St.

DUOLECTRIC STEAM IRON
(See Silex Co.)

DURABILT APPL. (See Winsted Hdwe. Mfg. Co.)

DURO-TEST CORP., 444 Market St., San Francisco, Calif.
(Fluorescent fixtures and lamps)
Service Stations:
Los Angeles: Room 500, 607 S. Hill St. (14)
Oakland: 1615 Broadway
San Diego: Room 722, Bank of America Bldg.
Denver: 965 Gas & Electric Bldg.
Billings: Suite 13, 107 N. 27th St.
Portland: 614 Medical Arts Bldg.
Salt Lake City: 212 Beason Bldg.
Seattle: 4107 Arcade Bldg.

EASY WASHING MACHINE CORP., Syracuse 1, N. Y.
Branch office: 1355 Market St. San Francisco 3, Calif.
(Easy Spindrier, Spiralator, Whirldry washers, Easy ironer)
Distributors:
Denver: Walter Slagle & Co., 725 Broadway
Spokane: Inland Empire Wholesalers, 110 S. Wall St.
Phoenix: Graybar Elec. Co., 434 W. Madison St.
Billings: Midland Dist. Co., P. O. Box 1154
Salt Lake City, ZCMI, 44 S. 2nd West St.
El Paso: Momsen - Dunnegan - Ryan Co., P. O. Box 240
Albuquerque: Momsen-Dunnegan-Ryan Co.
Service Stations:
Denver: Ray Jones Washing Machine Co., 376 So. Broadway: **Niles Washing Machine Co., 509 4th St.**
Seattle: Appliance Parts & Service Co., 216 Stewart St. (1)
Portland: W. L. May Co., 215 N. W. Park Ave.
San Francisco: Washing Machine Parts Co., 45 Rhode Island St.; Angelus Sales & Service Co., 940 Mission St., Electrical Appl. Service Co., 1434 Howard St.
Berkeley: Home Appl. Service Co., 2318 Shattuck Ave.
Sacramento: Al Bedard's Parts Supply, 1626 N. C St.
Los Angeles: Electrical Appl. Service Corp., 726 W. Venice Blvd.

EBCO MANUFACTURING CO., 401 W. Town St., Columbus, Ohio
(Oasis Air Dryer)
Distributors:
Bakersfield: Gough Industries, 3125 Jewett Ave.
Fresno: Dallman Co., 414 P St.; General Electric Supply Corp., 1234 O St.
Long Beach: Allied Refrigeration, 1295 Gaviota Ave.; Gough Industries, 828 W. Anaheim
Los Angeles: Gough Industries, 827 E. 1st St.
Oakland: Dallman Co., 2103 E. 12th St.; General Electric Supply Corp., 53rd & Hollis St., Emeryville.
Sacramento: Dallman Co., 6th & Q Sts.
San Francisco: Dallman Co., 685 7th St. (7); General Electric Supply Corp., 1201 Bryant St.
Santa Barbara: Gough Industries, 404 State St.
Portland: Ralph S. Hamilton Co., 1113 N. W. Glisan St. (9)
Seattle: General Electric Supply Corp., 1212 First Ave. (4); Refrigeration Engineering Co., 2120 Second Ave. (1)
Tacoma: General Electric Supply Corp., 2316 So. A St.
Denver: McCombs Refrigeration Supply Co., 1524 15th St.
Phoenix: General Electric Supply Corp., 441 W. Madison St.; Gough Industries, 917 W. Madison St.; Al Jennings Co., 607 W. Washington St.
Tucson: Albert Steinfeld Co., 119 N. Stone Ave.
Albuquerque: McCombs Refrigeration Co., 322 N. 1st St.
Boise: Afton-Lemp Electric Co., 415 S. 9th St.
(Oasis electric water cooler)
Distributors:
Bakersfield: Gough Industries, 3125 Jewett Ave.
Los Angeles: Gough Industries, 827 E. First St.; United Commercial Sales Co., 233 W. 32nd St.
Long Beach: Allied Refrigeration, 1295 Gaviota Ave. (4); Gough Industries, 828 W. Anaheim
Sacramento: Dallman Co., 6th & Q Sts.
Oakland: Dallman Co., 2103 E. 12th St.; Gilson Supply Co., 1106 Madison
San Diego: Allied Refrigeration, 705 14th St.; Gough Industries, 3255 Fifth Ave.
San Francisco: Dallman Co., 687 7th St. (7)
Santa Barbara: Gough Industries, 404 State St.
Portland: Ralph S. Hamilton Co., 1113 N.W. Glisan St. (9)
Seattle: Refrigeration Engineering Co., 2120 2nd Ave. (1); Refrigeration & Power Specialites Co., 353 Harrison (9)
Billings: Midland Implement Co., 2303 Montana Ave.
Phoenix: Arizona Hdwe. Co., 1st & Jackson St.; Gough Industries, 917 W. Madison St.; Al Jennings Co., 607 W. Washington St.
Tucson: Albert Steinfeld Co., 119 N. Stone Ave.
Denver: McCombs Refrigeration Supply Co., 1524 15th St.; Carson Hotel Supply Div., Carson Crockery Co., 1301 Wazee St.
Boise: Afton-Lemp Electric Co., 415 S. 9th St.
Albuquerque: Albuquerque Lumber Co., Wholesale Division; McCombs Refrigeration Co., 322 N. 1st St.
Fresno: Dallman Co., 414 P St.

EDISON GENERAL ELECTRIC APPL. CO. (See Hotpoint Inc.)

EDWARDS CO. INC., Norwalk, Conn.
(Adaptabel, Adaptahorn, Lokator paging system, Flush call line, Synchromatic clocks)
Edwards sales offices:
Denver: A. E. Bacon Jr., 3327 Brighton Blvd. (5)
Los Angeles: H. M. Pomeroy, 1004 E. 4th St. (13)
San Francisco: R. L. Kempton, 617 7th St.
Seattle: F. A. Strohecker, 2207 First Ave. S. (4)
Spokane: Elmer Johnston, 209 Hyde Bldg.
Portland: D. A. King, 220 Regal Bldg., 1220 S.W. Stark St.

ELECTRESTEEM PRODUCTS (See Electric Steam Radiator Corp.)

ELECTRICAL APPLIANCE SERVICE CO., 4238 Broadway, Oakland, Calif.
(Parts for little Giant Washers)

ELECTRIC DEODORIZER CORP., 9993 Broadstreet, Detroit 4, Mich.
(Electric deodorizer for homes and factories and "EDCO" delayed action light switches for home, farm and industry)

ELECTRIC HEATER CO., Stratford, Conn.
(Hubbell electric water heater)
Factory service only.

ELECTRIC HOUSEHOLD UTILITIES CORP. (See Thor Corp.)

ELECTRIC SPRAYIT CO., Sheboygan, Wis.
(Air compressors and paint spraying equip.)
Service:
Seattle: Northwest Factory Agents Inc., 310 2nd West (99)
Oakland: Air Equipment & Supply Co., 3329 Broadway
Los Angeles: Lang Engineering Co., 1937 So. Hoover St.

ELECTRIC STEAM RADIATOR CORP., One Electric Ave., Paris, Ky.
(Electresteem products)
Service:
Seattle: Pacific Utilities, 125 N. 1st St. (9)
Tacoma: Ajax Electric Co., 747 Fawcett Ave. (3)
Portland: Bressie Electric Co., 909 S.W. 5th Ave.
Salt Lake City: Wolters Electric Co., 238 S. State St.
San Diego: Electric Appliance Service Corp., 302 17th St.
San Francisco: Appliance Service Factors, 123 Steuart St.

ELECTRICAL RESEARCH LABORATORIES INC., 2020 Ridge Ave., Evanston, Ill.
(Eria and Sentinel radios)
Seattle: James J. Backer Co., 2321 2nd Ave. (1) (Ore., Wash., Ida., Mont.)
Los Angeles: E. J. Jordan, 650 S. Grand Ave. (14) (Calif., Ariz., N.M., Nev.)
Denver: Parker Co., 1520 Wazee St. (Colo.)

ELECTROCHEF RANGE
(See Philco Corp.)

ELECTROLUX INC., 417 Montgomery, San Francisco, Calif.

ELECTROMASTER RANGE
(See Philco Corp.)

ELECTROMODE CORP., 45 Crouch, Rochester 3, N. Y.
Service Stations:
San Francisco: The General Appliance Co., 869 Fell St.
Seattle: City Electric & Fixture Co., 2014 3rd Ave.
Spokane: Appliance Repair Co., S. 173 Wall St.
Portland: Electric Home Service Co., 1740 S.E. Hawthorne
Fresno: The Clock Shop, 1418 Fulton St.
Los Angeles: Utility Repair Shop, 1928 W. 7th St.
Sacramento: Lamco Electric, 1415 21st St.

ELECTRO TOOL CORP., 1718 Layard Ave., Racine, Wis.
(Whisker Shavers and Cadet Hair Clipper)
Factory service only.

ELECTRIC VACUUM CLEANER CO. (See General Electric)

ELECTRO-VOICE INC., Cecil & Carroll St., Buchanan, Mich.
Factory agents:
Los Angeles: M. D. Ealy, 633 S. LaBrea
San Francisco: A. J. Hitt, 1355 Market St.
Denver: W. Clif McLoud & Co., 5528 E. Colfax Ave.
Seattle: George D. Norris Co., 3010 First Ave.
E-V products sold through Wholesale distributors.

ELFSTROM, W. B. CO., 2300 E. 48th St., Los Angeles, Calif.

ELK MANSTER, INC., 601 E. Crosier St., Akron 1, Ohio
Distributors:
Long Beach: Frank E. Brady, 5364 E. 2nd
Albuquerque, N. M.: L. H. Chant Electric Co., 712 W. Cooper
Yuma, Ariz.: Curley's Electric Service, 150 4th Ave.
Riverside: Norman T. Ehlers, 6426 Magnolia Ave.
Ingleside: Glen Johnson Electric Co., 106 E. Queen St.
Santa Ana: Lindsay Electric Co., 1425 S. Main St.
San Bernardino: E. L. McAdams Electric, 276 D St.
San Fernando: Ranion Electric, 1014 De Garno St.
San Fernando: Still Electric Shop, 237 S.
Pasadena: Sander's Electric Co., 576 S. Fair Oaks Ave.
Santa Monica: Sunbeam Electric Co., 719 Santa Monica Blvd.

ELKINS-EWALL CO., 525 W. Clearfield St., Philadelphia 33, Pa.
Representatives:
San Francisco: Henry M. Butcher, 1800 Franklin St.
Denver: H. N. Broyles, P.O. Box 473

ELRAM LAMP WORKS, Hoboken, N. J.

EMERSON ELECTRIC MFG. CO., 8100 Florissant Ave., St. Louis 21 Mo.
Service Stations:
Phoenix: Electric Rewinding Co., 334 W. Jefferson St.
Fresno: Electric Motor Shop, 253 Fulton St.
Los Angeles: The Hill Electric Co., 580 Mateo St.
Sacramento: Lam-Co Electric, 1415 21st St.
San Diego: California Electric Works, 424 8th Ave.
San Francisco: Weidenthal-Gosliner Electric Works, 353 10th St.
Stockton: Stanley Electric Motor Co., 1520 E. Miner Ave.
Denver: Baker Electric Co., 1842 Lawrence St.
Boise: Karre Appliance Repair Shop, 1511 State St.
Billings: Lockrem Electric Co., 1710 First Ave., N.
Albuquerque: A. J. Cone Electric Co., 506 Bridge St.
Eugene: C. & S. Electric, 1070 Willamette
Medford: Trowbridge & Flynn Electric Co., 214 W. Main St.
Portland: Standard Electric Motor Service, 340 S. E. 6th Ave.
Salt Lake City: Utah Electric Motor Co., 538-540 S. State St.
Seattle: Fellstrom Electric Co., 2211 9th St.
Spokane: Nixon-Kimmel Elec. Machinery Co., 167 S. Wall St.
Tacoma: Paramount Electric Co., 911 Puyallup Ave.
Honolulu: The Hawaiian Electric Co. Ltd., 900 Richards St.

EMERSON RADIO & PHONOGRAPH CORP., 111 8th Ave., New York City 11, N. Y.
(Radio and TV receivers)

EMPIRE & EMPCO APPL.
(See Metal Ware Corp.)

ERIA RADIOS (See Electrical Research Lab., Inc.)

ESTATE STOVE CO., THE. (Subsidiary of Noma Electric Corp.) Hamilton, Ohio
(Heatrola and Estate ranges)
Repair Parts Distributors:
Phoenix, Electrical Equipment Co. of Arizona, 1st Ave. at Madison
Denver: Robert F. Clark Co., 70 Rio Grande Blvd.
Los Angeles: Quality Television Corp., 1235 E. Olympic Blvd.
San Francisco: W. J. Lancaster Co., 1045 Bryant St.
Portland: Harper-Meggee Inc., N.W. 15th & Irving Sts.
Seattle: Harper-Meggee Inc., Republican & Terry Sts.
Spokane: Harper-Meggee, Inc., N. 743 Division
San Diego: Gold E Distributors, 1905 E. Harbor Drive
Helena: D. N. Latus & Co., 1531 National Ave.
Albuquerque: Zork Hardware Co. of N.M., Inc., 1414 N. 12th St.
Salt Lake City: Standard Supply Co., 531 S. State St.

EUREKA WILLIAMS CORP., Bloomington, Ill.
(Vacuum Cleaner Division)
(See also Williams Oil-O-Matic Division.)
Distributors:
Los Angeles: Calif. Elec. Service Inc., 832 S. Alvarado St.
San Francisco: Calif. Elec. Service Inc., 168 First St.
Phoenix: Calif. Elec. Service Inc., 832 S. Alvarado St., Los Angeles
Salt Lake City: A. E. Carter Co., 177 E. Broadway
Billings: Taylor Distributing Co., 4148 First Ave., S.
Seattle: Zerega Dist. Co., 515 Westlake North
Spokane: The Eureka Agency, 2228 N. Division St.
Portland: N. Schneider Co., Suite 112, 1009 S.W. Fifth Ave.
Denver: Boyd Dist. Co., 20 W. 13th Ave.
Albuquerque: Boyd Dist. Co., N. M. Branch, 506 E. Lead St.
El Paso: Gorman Eng. Co. Inc., 1701 Texas St.

EVERHOT ELEC. APPL.
(See Swartzbaugh Mfg. Co.)

FAIRBANKS, MORSE & CO., 400 S. Michigan Ave., Chicago 5, Ill.
(Fairbanks, Morse water systems, washers and ironers)
Minor repairs by dealers in field: major repairs should be referred to branch offices:
Portland: 105 S.E. Taylor St. (14) (Ore., Wash., part Ida. and Mont.)
San Francisco: 630 3rd St. (7) (Part Calif., Ida., Nev., Wyo., all Utah & Hawaiian Is.)
Los Angeles: 4535 S. Soto St. (58) (Part Calif. & Nev., all Ariz.)
Dallas: 1713 N. Market St. (2) (Part N. Mex.)
Kansas City: 1300 Liberty St. (7) (All Colo., part N. Mex.)

FARADAY ELECTRIC CORP.
(See Sperti Faraday Inc.)

FARIES MFG. CO., 1050 E. Grand Ave., Decatur, Ill.
(Portable Lamps)
Factory service only:

FASCO INDUSTRIES INC., P. O. Box 509, Rochester 2, N. Y.

FAULTLESS, Holland-Rieger, subsidiary of Apex Rotarex Corp. (See Apex.)

FILTER QUEEN
(See Health-Mor Inc.)

FILTEX CORP., 421-23 E. 15th St., Los Angeles 15, Calif.
(Hygienic Filtex cylinder type vacuum cleaner)
Distributors:
Antioch: Filtex Sales & Service, 714 10th St.
Belmont: Filtex Peninsula Sales, 912 Ruth Ave.
Corte Madera: H. H. Diebel, 103 Stetson Rd.
Los Angeles: Filtex Sales & Service, 5738 Crenshaw
Paradise: Filtex Dist. Co., Route 3, Box 3246
San Bernardino: Bob Branam, 888 3rd St.
San Diego: Filtex Dist. Co., 3036 30th St.
San Francisco: Filtex Sales & Service, 4000 Mission St. (12)
Vallejo: Filtex Sales & Service, 2800 Sonoma St.
Van Nuys: Kaye Gleichen, 14556 Hamlin
Tacoma: T. R. Devereaux, 802 N. Eye St.
Seattle: Filtex Distributing Co., 403 E. Pike St.
Spokane: E. R. Raver, W. 2515 Broadway
Twin Falls: Filtex Sales & Service, 445 W. 2nd St.
Butte: A. J. Mehrens, 321½ No. Alabama St.
Coos Bay: Harold Halsey
Eugene: R. W. Harris, 1698 E. 13th St.
McMinnville: Filtex Vacuum Sales, 622 Third St.
Portland: Maurice D. McFarland, 3436 S. E. Hawthorne
Oregon City: Filtex Sales & Service, 506 7th St.
Salt Lake City: Filtex Co. of Utah, 68 S. 2nd W.
Denver: Filtex Dist. Co., 5600 W. 6th Ave. (14)
Phoenix: Hamilton Filtex Sales & Service, 108 E. Pierce St.
Albuquerque: Filtex of New Mexico, 2108 W. New York Ave.
Honolulu: 49th State Distributors, 1113 Alaken St.
Waiuku: Maui Venetian Blind Co., 1354 Main St.

FINDERS MFG. CO., 3569 S. Michigan Ave., Chicago 15, Ill.
(Hollywood electric housewares)
Service Stations:
Phoenix: Appliance Service Co., 1161 E. Polk St.
Fresno: L. F. Ballmer Co., 2430 Stanislaus
Los Angeles: State Appl. Service, 2224 W. 7th St. (6)
San Francisco: H. C. Johnson, 443 Valencia St.; The P & D Appliance, 1414 34th Ave.
Sacramento: Remington's Electric Service, 2320 21st St.
Denver: Western Appliance & Electric, 1159 Stout St.
Portland: Bressie Electric Co., 909 S. W. 5th Ave. (4)
Salt Lake City: Appliance Service Center, 57 Richard St. (1)
Seattle: A. Appliance Co., 610 E. Pine St. (22)

FLOOROLA PRODUCTS INC., Tioga St. at Roosevelt Ave., York, Pa.
(Floorola floor waxer & polisher)
Distributors:
Los Angeles: Floor Machine Co., 1735 Venice Blvd. (6)
El Paso: Elec. & Mech. Supply Co.
Major repairs:
Send to factory.

FLORENCE STOVE CO., 205 School St., Gardner, Mass.
(Florence electric range—equipped with Chromalox units)
For Chromalox units see Edw. L. Wiegan Co.
Factory only for other service.

FOWLER MFG. CO., 2545 S.E. Gladstone St., Portland 2, Ore.
Distributors:
Portland: Appliance Wholesalers, 666 N. W. 14th Ave.
Seattle: F. B. Connelly Co., 1015 Republican St.; Schwabacher Hdwe. Co., 401 First Ave. South
Spokane: Inland Empire Wholesalers, 110 S. Wall St.
Billings: Midland Distributing Co., 2302 First Ave. North
Salt Lake City: Flint Distributing Co., 316 W. Second South St.
Denver: Western Appliance Corp., 201 So. Cherokee (9)
Phoenix: Electrical Equipment Co. of Arizona, First Ave. at Madison
San Diego: San Diego Pipe & Supply Co., 2827 43rd St.
San Francisco: Kaemper & Barrett Dealers Supply Co., 1850 Mission St.

FRANTZ MFG. CO., THE, 1200 Camden Ave. S. W., Canton, Ohio
(Boss, Laundry Queen and Young washers)
Distributors:
Long Beach: Home Service Co., 2100 E. 4th St. (14)
Los Angeles: Electrical Appliance Service Corp., 726 W. Venice Blvd.; Washing Machine Parts Co., 1241 S. Hope St.
Sacramento: Al Bedard's Parts Supply, 1626 N. C St. (14)
San Diego: Electrical Appl. Service Corp., 302 17th St.
San Francisco: Electrical Appl. Service Corp., 1434 Howard St.; Washing Machine Parts Co., 45 Rhode Island Ave.
Denver: Ray Jones Washing Machine Parts, 375 Broadway (9); Niles Washing Machine Supply Co., 509 14th St. (2)
Pueblo: Ingle Washing Machine Co., 417 N. Santa Fe
Boise: Karre Appl. Repair, 1511 State St.
Roswell: Papworth Washing Machine Parts, 1800 N. Lea
Eugene: Washing Machine Service Co., 630 Willamette St.
Klamath Falls: Merit Washing Machine Service, 611 S. 6th St.
Portland: Division Appl. Service Co., 2421 S. E. 39th Ave.
Salt Lake City: A-1 Master Electric Co., 47 E. 4th St.
Seattle: Appliance Parts & Service Co., 216 Stewart St.
Spokane: Appliance Parts & Service Co., 609 W. Trent Ave.
Honolulu: Washing Machine Supplies Co., 1253 S. King St.

FREE SEWING MACHINE CO., Rockford, Ill.
(Free - Westinghouse and New Home)
Free-Westinghouse—All Westinghouse Supply Co. branches and:
Denver: Savage & Son, 260 Wazee
El Paso: Zork Hardware Co.
San Diego: Electrical Supplies Distri. Co., 435 Second Ave.
New Home distributors:
Los Angeles: Herbert H. Horn Inc., 915 Mateo St.
San Francisco: Thompson-Diggs, 1353 Market St.
Phoenix: Black & Ryan, P. O. Box 2234
Denver: McCollum-Law Corp., E. 48th Ave. at Colorado Blvd.
Salt Lake City: Kimball Distributing Co., 115 S.W. Temple St.
Billings: Taylor Distributing Co., 2716 Montana Ave.
Spokane: Harper-Meggee Inc., N. 734 Division
Seattle: Harper-Meggee Inc., Republican & Terry St.
Portland: Harper-Meggee Inc., N. W. 15th & Irving

FRESH-ND AIRE CO., Division of Cory Corp., 221 No. La Salle St., Chicago 1, Ill.
(Fans, air circulators and heater fans)

FRIGIDAIRE DIVISION, General Motors Corp., 300 Taylor St., Dayton 10, Ohio
(Frigidaire home appliances, com'l refrigeration, air conditioners)
Pacific Region:
Frigidaire Division, General Motors Corp., 1355 Market St., San Francisco, Calif.
Frigidaire Sales Corp. offices:
Oakland: 1250 53d St. (8)
Los Angeles: 3251 Leonis Blvd. (58)
Denver: 215 Wazee Market (4)
Distributors:
Seattle: Sunset Elec. Co., P. O. Box 3148 (14)
Spokane: Sunset Electric Co., N. 703 Division St. (11)
Portland: Sunset Elec. Co., 1025 N. W. 14th Ave. (9)
Salt Lake City: W. H. Bintz Co., P. O. Box 1350 (11)
Billings: Northwestern Auto Supply Co., 420 N. Broadway
Service stations:
Denver: Snodgrass & Smith Co., 1941 Market St. (2)
Oakland: Shirar Young Co., 24th & Broadway

San Francisco: Shirar-Young Co., Pine & Van Ness
Los Angeles: Service rendered by dealers
Billings: Service rendered by dealers
Portland: Sunset Electric Co., 1035 N. W. 14th Ave. (9)
Spokane: Service rendered by dealers.
Salt Lake City: Service rendered by dealers.

G-M LABORATORIES INC., 4300 N. Knox Ave., Chicago 41, Ill.
(Surf Electric fans and heaters)
Factory service.

GEIER CO. (See Royal Vacuum Cleaner Co.)

GEM DANDY ELECTRIC CHURN (See Alabama Mfg. Co.)

GENERAL CONSTRUCTION CORP., St. Petersburg 3, Florida
(Icette)
Service parts handled direct from plant.

GENERAL DEVICES CO., P. O. Box 635, Springdale, Conn. Parts and repair service for Hanley Shavers and Clipshaves.

GENERAL ELECTRIC CO., Major Appliance Division, 310 W. Liberty St., Louisville, Ky.
(GE appliances)
(Household refrigerators, food freezers, ranges, water heaters, home laundry equipment, dishwashers, disposalls)
Service Stations:
Phoenix: Vinson-Carter Elec. Co., 325 N. 4th St.
Fresno: L. F. Balmer, 2430 Stanislaus
Long Beach: *Calif. Elec. Service Inc., 1407 E. 4th St.
Los Angeles: G. E. Appliances Inc., 1233 S. Hope St.; *Calif. Elec. Service Inc., 832 S. Alvarado
Sacramento: Lam-Co Electric, 1415 21st St.
San Diego: J. F. Zwiener Elec. Co., 1242 First Ave.
San Francisco: *Calif. Elec. Service Inc., 168 First Ave.; G. E. Appliance Service Center, 560 Mission St.
Portland: Bressie Elec. Co., 909 S. W. 5th Ave.
Salt Lake City: Appliance Service Center, 57 Richards St.
Seattle: G. E. Appliance Service Center, 401 Westlake Ave., N.
*Parts Distributor Only.
Clocks:
Seattle: Clock Shop, 325 Joshua Green Bldg.
Spokane: Harry's Elec. Clock Hospital, 175 So. Post St.
San Francisco: California Elec. Service Sta., 168 1st St.; M. C. Ross, 190 Gough St.
Los Angeles: California Elec. Service, 832 So. Alvarado St.
San Diego: J. F. Zwiener Elec. Co., 1242 1st Ave.
Phoenix: Vinson-Carter Electric Co., 325 N. 4th St.; Smith's Clock Shop, 1512 N. 7th Ave.
Sacramento: Lam-Co. Elec. Co., 1415 21st St.
Salt Lake City: Time & Instrument Co., 57 Richards St.
Fresno: The Clock Shop, 1418 Fulton
Glendale: Glendale Time Shop, 500 No. Brand Blvd.
Long Beach: Calif. Elec. Service Inc., 1407 E. 4th St.
Oakland: The Clock Shop, 144 E. 14th St.
Riverside: Brumgardt's Clock Shop, 3795 Orange St.
San Jose: D. & S. Repair Service, 310 W. Santa Clara St.
Santa Barbara: Mel Time Repairs, 20 W. Carrillo St.
Santa Rosa: Lueger's Old Clock Shop, 402 4th St.
Billings: Billings Elec. Supply Co., 208 N. 29th St.
Butte: Radio Eng. & Service, 219 W. Park St.
Portland: Morrison Elec. Co., 1206 S.W. Washington; Alder Street Clock Shop, 251 S.W. Alder St.

Automatic blankets
Phoenix: Arizona Wholesale Supply Co., Inc., 505 W. Madison St.; GE Supply Corp., 441 W. Madison St.
Bakersfield: Gough Industries, Inc., 3125 Jewett Ave.; G. E. Supply Corp., 1134 33rd St.
Emeryville: GE Supply Corp., 53rd & Hollis St.
Fresno: GE Supply Corp., 1234 O St.; Valley Elec. Supply Co., 3306 E. Tulare St.
Long Beach: *American Wholesale Hdwe. Co., 1500 W. Anaheim St.; Gough Industries, Inc., 828 W. Anaheim St.
Los Angeles: G.E. Supply Corp., 700 Turner St., Gough Industries, Inc., 819 E. 1st St.
Sacramento: GE Supply Corp., 1131 S St.
San Diego: GE Supply Corp., 648 3rd Ave.; Gough Industries, Inc., 3255 5th Ave.
San Francisco: G.E. Supply Corp., 1201 Bryant St.
Santa Barbara: Gough Industries, Inc., 404 State St.
Denver: GE Supply Corp., 1429 18th St., B. K. Sweeney Co., 1601 23rd St.
Boise: GE Supply Corp., 618 S. 8th St.
Billings: GE Supply Corp., 2710 Montana Ave.
Butte: GE Supply Corp., 900 E. Front St.
Albuquerque: G.E. Supply Corp., 820 N. First St.
Portland: GE Supply Corp., 300 N.W. 14th St.
Salt Lake City: GE Supply Corp., 310 W 2nd S.
Seattle: G.E. Supply Corp., 1212 1st Ave. S.
Spokane: GE Supply Corp., S. 122 Monroe St.
Tacoma: GE Supply Corp., 2316 S. A St.

Radio and Television Serviced by G. E. Supply Corp.

GENERAL MILLS INC., 1620 Central Ave., Minneapolis 13, Minn.
(Automatic iron, steam iron attachment, automatic toaster, pressure cooker)
Service Stations:
Colorado Springs: Modern Service Co., 10 E. Colorado Ave.
Greeley: Herdman Elec. Co., 809 10th St.
Butte: Radio Engineering & Service Inc., 219 W. Park St.
Denver: Western Appliance & Electric Co., 1159 Stout St.; Midwest Elec. Service Co., 1124-26 Santa Fe Drive
Salt Lake City: Appliance Service Center Inc., 57 Richards St.
Seattle: Howell Electric, 522 Union
Spokane: Appliance Parts & Service Co., W. 609 Trent Ave.
Pasco: Electric Appliance Co., 124 N. 4th St.
Tacoma: Ajax Electric Co., 747 Fawcett St.
Portland: Bressie Electric Co., 909 S. W. 5th St.
Bakersfield: Urner's Appliance Center *12 21st St.
Fresno: Leonard F. Ballmer, 2430 Stanislaus
Long Beach: Dean & Hoffman, 221 American Ave.
Los Angeles: Electrical Appliance Service Corp., 726 W. Venice Blvd.
San Diego: J. F. Zwiener Electrical Co., 1242 First Ave.
Stockton: The Electric Shop, 41 N. American St.
Ventura: Louis A. Snow, 230 E. Main St.
Boise: C. A. Bodily Radio Service, 1603 N. 13th St.
Pocatello: Charles Wrenn, 1124 Sublette
Reno: Moltzen & Fitch, 275 S. Virginia
Phoenix: Vinson-Carter Electric Co., 325 N. 4th St.
Tucson: Grabe Electric Co., 26 E. Congress St.
Billings: Curley-Naylor Electric Co., 215 N. Broadway
Albuquerque: ABC Radio Service, 512 N. 4th St.
San Francisco: Will M. Aronson Co., 666 Howard St.; M. C. Ross, 190 Gough St.
Sacramento: Lam-Co., 1415 21st St.

GENERAL MOTORS CORP. (See Frigidaire Div., and Delco Appl. Div.)

GENERAL WATER HEATER CORP., 240 N. Front St., Burbank, Calif.

GENNETT & SONS, 1 Main St., Richmond, Ind.
(Gennett Refrigerators)
Factory service only.

GIBSON REFRIGERATOR CO., Greenville, Mich.
(Gibson refrigerators, ranges and home freezers)
Fresno: Kierulff & Co., 725 L St.
Long Beach: Graybar Elec. Co., 17th & Daisy Ave.
San Francisco: J. J. Lukanish Co., Western Mdse. Mart, 1355 Market (3)
Los Angeles: Graybar Elec. Co. Inc., 210 Anderson St. (54)
San Diego: Graybar Elec. Co. Inc., 720 State St.
Portland: Elec. Dist. Inc., 140 N. W. 14th St. (9)
Seattle: Seattle Hdwe. Co., 501 1st Ave. S., Box 3208 (14)
Spokane: Prudential Distributors Inc., So. 151 Stevens St. (8)
Billings: Billings Hdwe. Co., Box 2090, 2702 Montana Ave.
Salt Lake City: Jackson Dist. Co., 115 S. W. Temple
Phoenix: Graybar Elec. Co. Inc., 434 W. Madison St. (2)
El Paso: Appliance Distributors 1409 Texas St.
Denver: Austin & Son, 1819 Wazee St.

GILBERT CO., A. C., New Haven 6, Conn.
(Gilbert toys, Gilbert and Polar Cub electrical products)
Service Stations:
Portland: Morrison Elec. Service, 1236 S. W. Washington at 13th. (trains, fans and appliances); John J. Debe, 4529 S. E. 52nd Ave. (trains only)
Long Beach: Rays Hobby Model Supplies, 1222 American Ave. (3)
Oakland: Ralph Sagers, American Flyer Service, 1207 Jefferson St.
Pasadena: Garstang's Model Hobby Shop, 87 E. Colorado St. (1)
San Diego: Glenn's Train Hobby, 1125 C St. (2)
Seattle: R. J. Lewis, 7001 29th Ave. N.E. (5)

GILL ELEC. MFG. CORP., 624 W. Citrus Ave., Redlands, Calif.

GIVEN MFG. CO., 3855 Santa Fe Ave., Los Angeles 58, Calif.
(Waste King Pulverator)

Service Stations:
Phoenix: Dietrich Appl. Service, 5132 N. 7th St.
Sacramento: Lamco Electric, 1415 21st St. (14)
San Diego: Appliance Refinishing Service Co., 1889 San Diego Ave.
San Francisco: Given Mfg. Co., 1401 Third St.
Colorado Springs: Able's Service and Repair Shop, 17 S. Cascade Ave.
Denver: Western Appl. & Electric Co., 1159 Stout St. (4)
Pueblo: Rheuff Electric Co., 401 N. Santa Fe Ave.
Albuquerque: Bill Jones Washing Machine Service, 4201 Lunada Ave.
Portland: Bee Elec. Service, 28 N.W. 10th Ave.
Salt Lake City: Enos Elec. Co., 1173 S. Second, W.
Seattle: Appliance Service Station, 1220 Westlake Ave., N (9)
Casper: Washing Machine Service, 738 W. 9th St.

GLO-LITE, Chicago, Ill. (Subsidiary of Noma Elec. Co.—See Noma)

GLOLOG and/or ELECTRIC LOG (See Strait & Richards Inc.)

GOODRICH MFG. CO., P. O. Box 267, So. San Francisco, Calif.

GREEN COLONIAL FURNACE CO., 322 S.W. 3d St., Des Moines 7, Iowa.
(Green Colonial gravity and forced air heating for coal, gas and oil fuels, oil burners and blowers)
Factory service only.

GRIFFIN LAMP CO., 3rd and Sycamore Sts., Hamilton, Ohio. (Warehouse)
Los Angeles: 736 E. Washington Blvd. (21)

GRISWOLD MFG. CO., Erie, Pa.
(Griswold com'l cooking equipment & utensils)
Write to factory for advice.
Representatives:
Los Angeles: W. F. Smith, 6354 Drexel Ave (36)
Denver: George R. Woodward, 1863 Wazee St. (2)

HALLICRAFTERS CO., THE, 4401 W. 5th Ave., Chicago 24, Ill.
(Radio & Television)
Los Angeles: Thomas Dist. Co., 201 S. Anderson, P.O. Box 509
San Francisco: Kaemper & Barrett Dealers Supply, 1850 Mission St.
Salt Lake City: Western Gas Appliances, 751 West 8th St., S.
Seattle: Herb E. Zobrist Co. Inc., 2121 Westlake St.
Spokane: Tubbs Electric Co., 165 S. Post St., (8)

HAMILTON BEACH CO., Div. of Scovill Mfg. Co., Racine, Wis.
(Hamilton Beach home appliances and soda fountain line)
Phoenix: Vinson-Carter Electric Co., 325 N. 4th St.
Spokane: Appliance Parts & Service, 609 W. Trent Ave.
Portland: Morrison Elec. Service, 1206 S.W. Washington (5)
Sacramento: Lam/Co Electric, 1415 21st St. (14)
San Francisco: Will M. Aronson Co., 666 Howard St.
Long Beach: Gulbransen Appliance Service, 340 E. 4th St.
Los Angeles: Elec. Lighting Supply Co., 216 W. Third St. (13).
San Diego: J. F. Zweiner Elec'l. Co., 1242 1st Ave.
Denver: Midwest Elec. Service Co., 1124-26 Santa Fe Drive
Salt Lake City: Appliance Service Center, 57 Richards St.
Seattle: Appliance Parts & Service Co., 214-16 Stewart St.
El Paso: Wayne M. Tinkler & Co., Ltd., 813 Cedar St. at Five Points

HAMILTON MANUFACTURING CO., Two Rivers, Wis.
(Hamilton automatic clothes dryer—electric or gas)
Distributors:
Los Angeles: Gordon E. Wilkins-Ironers Inc., 121 S. Alameda St.
San Francisco: Calif. Elec. Supply Co., Folsom at 12th St. (5)
Portland: F. B. Connelly Co. of Oregon, 905 N.W. 12th Ave. (9)
Salt Lake City: Deseret Appl. Dist. Inc., 144 So. 5th St. West St.
Seattle: F. B. Connelly Co., 1615 Republican St. (9)
Spokane: Columbia Elec. & Mfg. Co., S. 123 Wall (8)
Phoenix: Gordon E. Wilkins—Ironers, 246 So. First St.
Denver: McCollum-Law Corp., E. 48th Ave. at Colorado Blvd.
Billings: Midland Implement Co.
Honolulu: Pacific Co. Ltd., 768 Kapiolani Blvd. (9)

HANKSCRAFT CO., Reedsburg, Wis.
Factory repair service
Agents:
San Francisco: Erlach-Lee Co., 1355 Market St.
Dallas: Clancey Sales Organization, St. Paul & Young Sts.

HANDYBREEZE FANS (See Chicago Electric Mfg. Co.)

HANDYHOT APPLIANCES (See Chicago Electric Mfg. Co.)

HANOVIA CHEM. & MFG. CO., 453 Powell St., San Francisco, Calif.

HARDERFREEZ Division
(See Tyler Fixture Corp.)

HARTFORD ELEMENT CO. INC., 272-8 Windsor St., Hartford 5, Conn.
(Jiffy and Hartford—Electrical repair and replacement elements for electrical appliances; ranges and water heaters)

Distributors:
Fresno: Craver Electric Co.
Los Angeles: J & S Co.; Andrews Hardware & Metal; Edward Apffel Co., Kay Electric Supply; Westinghouse Electric Supply; Electrical Appliance Service Corp.; California Electric Service Co.
San Diego: Graybar Electric Co.; California Electric Works; Electrical Appliance Service Co.
San Francisco: Electrical Appliance Service Co.
San Pedro: Guaranty Electric Co.
Portland: Eoff Electric Co.; General Electric Supply Co.
Salem: Eoff Electric Co.
Kalmath Falls: Merit Service Supply
Spokane: Tubbs Electric
Walla Walla: Electrical Supply & Fixture
Tacoma: Westinghouse Electric Supply Co.
Seattle: Graybar Electric Supply; General Electric Supply Co.; Peerless Electric & Supply
Boise: Merit Service Supply; General Electric Supply
Couer d'Alene: Whiteleys Electric
Butte: Graybar Electric Supply; General Electric Supply
Great Falls: Falls Supply Co.
Columbus, Mont.: Baker Electric
Forsyth, Mont.: Webers Electric
Salt Lake City: Felt Electric Supply Co.; Wolters Electric Supply; General Electric Supply
Phoenix General Electric Supply Co.; Bacon Electric Co.
Tucson: Tucson Electric Supply
Prescott: Wynne Electric Supply
Elko, Nev.: Norquist Electric Supply
Albuquerque: General Electric Supply
Denver: Central Electric Supply; Elliott-Schmidt Electric Supply; Fistell's; Hendrie & Bolthoff Co.
Colorado Springs: Kestler Electric
Buffalo, Wyo.: J. G. Krepper Electric

HEALTH-MOR INC., 203 N. Wabash Ave., Chicago, Ill.
(Filter Queen)
Service Stations:
Filter Queen Co.'s:
Phoenix: 1746 W. Van Buren
Oakland: 3232 Fruitvale Ave.
San Francisco: 1305 17th Ave.
Los Angeles: 4913 W. Jefferson Blvd.; H. O. Vern, 4157 W. 5th.
Pocatello: 1300 Yellowstone
Denver: 3215 Zuni St.
Grand Junction, Colo.: Room 9, Reed Bldg.
Eugene: 480 Davis St.
Yakima: 424 N. Walnut St.
San Diego: 1810 W. Washington
Santa Barbara: 314 Chapala St.
Billings: K. E. Helgeson, 2518 1st Ave., No.
Albuquerque: 302½ W. Central
Portland: 126-32 N.E. Broadway
Seattle: Howard M. Sayers, 3403 34th Ave., S. W.; 359 W. 75th St.
Montesano, Wash.: C. K. Runyon, 722 W. Broadway
Tacoma: 1282 Huson St., S.
Yakima: 27 S. 4th St.
El Paso: 502 E. Yandell Blvd.
Salt Lake City: 2011½ S. 11th E.
Worland: 1300 Big Horn Ave.
Honolulu: 1505 Kapiolani Blvd.

HECTAIRE ELEC. HEATERS (See Markel Elec. Prod. Co.)

HERCULES ELECTRIC PRODUCTS CORP. (See Star Mfg. Co.)

HEXACON ELEC. CO., 161 W. Clay Ave., Roselle Park, N. J.

Representatives:
San Francisco: Omer Cox Co., Rialto Bldg. (serves Northern California)
Seattle: A. S. Knight Co., 3010 Western Avenue (1) (Serves Ore., Wash., Idaho, Mont.) (Utah, Nev., Colo., Wyo. served by factory)
Los Angeles: J. E. Shull, 350 So. Central Ave. (serves Southern California, New Mexico and Arizona)

HILL-SHAW CO., 311 N. Desplaines St., Chicago, Ill.
(Vaculator coffee equipment)
Service Stations:
Los Angeles: State Appliance Service, 2224 W. 7th St.
San Francisco: Coffee Equipment Service, 282 6th St.
Denver: Midwest Electric Service Co., 1124 Santa Fe Drive
Portland: Morrison Electric Co., 1206 S.W. Washington
Spokane: Appliance Parts & Serv. Co., 609 W. Trent
Seattle: Appliance Parts & Service Co., 216 Stewart St.

HOBART MFG. CO., Penn. Ave. and Simpson St., Troy, Ohio.
(See also KitchenAid Electric Housewares Div. and KitchenAid Home Dishwasher Div.)

HOFFMAN RADIO CORP., 3761 S. Hill, Los Angeles 7, Calif.
Distributors:
Denver: Robert F. Clark Co., 3062 Blake St. (5)
Fresno: Kinney & Faust, 1740 Van Ness Ave.
Phoenix: Black & Ryan, 630 W. Washington St.
Salt Lake City: Glenn Earl Inc., 245 South First West (1)
Seattle: Love Electric Co., 318 Westlake Ave. North (9)
Sacramento: E. M. Kemp Co., 1115 R St. (14)
San Diego: Western Radio and Tele. Supply Co., 1415 India St. (1)
San Francisco: Hoffman Sales Corp., 325 Ninth St.
San Jose: Tom Doyle, 202 W. Santa Clara (22)
El Paso: Appliance Distributors Inc., 1490 Texas St.
Los Angeles: Hoffman Sales Corp., 6200 S. Avalon
Albuquerque: Appliance Distributors Inc., 317 N. Commercial

HOLLAND-RIEGER, INC. (See Apex Rotarex Corp.)

HOMECRAFT ELECTRONIC, 3830 N. Kedzie Ave., Chicago, Ill.
Longmont, Colo.: General Midwestern Distributors (handle all inquiries for Homecraft Line)

HOOVER CO., North Canton, Ohio
(Hoover cleaners)
Factory branch stations (prepared to render any service; also have service salesmen and agents throughout Western states; parts are not available to the trade.
Seattle: 2124 2nd Ave.
Tacoma: 1533 Commerce St.
Spokane: Rm. 324-5 Symons Bldg.
Portland: 19 N.E. Broadway (12)
San Francisco: 468 Turk St. (2)
Oakland: 612 High St.
Los Angeles: 1006 W. 7th St. (5)
Long Beach: 1209 Pine Ave.
Pasadena: 35 S. Raymond
San Diego: 524 F St.
Santa Clara: 2925 Park Ave.
Denver: 2217 E. Colfax Ave.
Salt Lake City: 325 Brooks Arcade

HORTON MANUFACTURING CO., 731 Osage St., Fort Wayne 1, Ind.
(Horton washers and ironers; handle parts and service on F. L. Jacobs Co. Launderall)

Service Stations:
Seattle: Appl. Parts & Service, 216 Stewart St.
Los Angeles: Elec. Appl. Service Corp., 726 W. Venice Blvd.; Washing Machine Parts Co., 1241 S. Hope St.
San Francisco: Elec. Appl. Service Corp., 236 Harriet St. (3); Washing Machine Parts Co., 1575 Mission St.
Long Beach: Home Service Co., 2100 E. 4th St.
Portland: W. L. May Co., 215 N.W. Park Ave. (9); Appliance Wholesalers, 600 N.W. 14th Ave.
Denver: Ray Jones, 376 S. Broadway (9); Niles Washing Machine Supply, 509 14th St.
San Diego: Washing Mach. Parts Co., 1743 India St.; Electrical Appliance Service Corp., 302 17th St.
Salt Lake City: A-1 Master Electrical Shop, 47 E. 4th St.
Sacramento: Al Bedard's, 1624 N. C St.

HOTPOINT INC., 5600 West Taylor St., Chicago 44, Ill.
District offices at:
Western Merchandise Mart, 1355 Market St., San Francisco 3, Calif.; 1411 4th Ave. Bldg., Rm. 1315, Seattle 1, Wash.
(Hotpoint ranges, water heaters, refrigerators, washers, ironers, dishwashers, dryers, disposals, cabinets, Electric-Sinks, Commercial Cooking equipment)

Household appliances:
Seattle: Graybar Elec. Co. Inc., King & Occidental st. (4)
Spokane: Graybar Elec. Co. Inc., 152 S. Post St. (8)
Tacoma: Graybar Elec. Co. Inc., 2112 A St.
Portland: Graybar Elec. Co. Inc., 809 N.W. Flanders St. (9)
San Francisco: Graybar Elec. Co. Inc., 1750 Alameda Ave. (3)
Fresno: General Elec. Supply Corp., 1234 O St. (18)
Los Angeles: General Elec. Supply Corp., 700 Turner St. (54)
San Diego: General Elec. Supply Corp., 668 Third Ave (12)
Denver: General Elec. Supply Corp., 1429 18th St. (17)
Salt Lake City: Graybar Electric Co. Inc., 336 N. 3rd West St. (13)
Boise: Graybar Electric Co., Inc., 14th & Idaho Sts.
Oakland: 306 12th St., Rm. 22-24
Phoenix: General Elec. Supply Corp., 441 W. Madison St.
Honolulu: Hawaiian Elec. Supply Co., 930 Clayton St.
Oakland: Graybar Elec. Co. Inc., 1911 Union St. (7)
Sacramento: Graybar Elec. Co. 1900 14th St. (1)
Butte: Graybar Elec. Co., Inc., 604 E. Aluminum St.
Eugene: Graybar Elec. Co. Inc., 2180 W. 6th Ave.
Albuquerque: General Elec. Supply Corp., 820 N. 1st Ave.
Commercial cooking equipment:
San Francisco: Dohrmann Commercial Co., 984 Mission St. (3)
Honolulu: Hawaiian Elec. Supply Co., 930 Clayton St.
Albuquerque: General Electric Supply Corp., 820 N. First Ave.
Denver: General Electric Supply Corp., 1429 18th St. (17)

HOTSTREAM HEATER CO., 2363 E. 69th St., Cleveland (4) Ohio
(Hotstream and Buckeye electric heaters)
Factory service only.

HOWARD RADIO CO., 1735 Belmont Ave., Chicago 13, Ill.
(Television receivers)

HURLEY MACHINE DIV.
(See Thor Corp.)

ICETTE
(See General Construction Corp.)

INDUSTRIAL TIMER CORP., 115 Edison Pl., Newark 5, N. J.
(Factory service only)

ILLINOIS SEWING MACH. CO.,
(See Free Sewing Machine Co.)

INGERSOLL, DIV. of WATERBURY CLOCK CO., 31 Cherry Ave., Waterbury 91, Conn.
(Ingersoll, Kelton, Connecticut and Waterbury clocks)
Factory service only.

INTERNATIONAL APPLIANCE CORP., 222 5th Ave., New York 1, N. Y.
(Broilking appliances)
San Francisco: Will M. Aronson, 666 Howard St. (5)
San Diego: Electrical Appl. Service Corp., 302 17th St.
Los Angeles: Electrical Appl. Service Corp., 726 W. Venice Blvd. (15)

INTERNATIONAL HARVESTER CO., 180 N. Michigan Ave., Chicago 1, Ill.
Refrigeration Parts and Service:
Los Angeles: 734 Lawrence St. (21)
Oakland: 2855 Cypress St. (4)
Portland: McLaughlin Blvd. and Harvester Drive (22)
Salt Lake City: 435 W. 4th S. (9)
Spokane: 715 E. Sprague Ave. (1)

INTERSTATE
(See Revelation Co.)

INTERSTATE ENGINEERING CORP., 2250 E. Imperial Highway, El Segundo, Calif.
(Compact and Revelation vacuum cleaners)
Repair parts and service at factory.

IRON FIREMAN MANUFACTURING CO., 3170 W. 106th St., Cleveland 11, Ohio
(Automatic oil, gas and coal heating and power equip.)
Portland, Ore., plant, 4784 S.E. 17th Ave (2)

IRONRITE INC., 332 Cass Ave., Mt. Clemens, Mich.
Distributors:
(Ironrite Ironer)
Los Angeles: Gordon E. Wilkins-Ironers Inc., 121 So. Alameda St. (12)
Oakland: Gordon E. Wilkins-Ironers Inc., 3100 Telegraph Ave.
Seattle: F. B. Connelly Co., 1615 Republican St. (9)
Spokane: Columbia Elec. & Mfg. Co., So. 123 Wall St., P. O. Box 1411 (8)
Portland: F. B. Connelly Co., 905 N. W. 12th Ave. (9)
Salt Lake City: Deseret Appl. Dist. Inc., 144 S. 5th West St.
Billings: Midland Implement Co. Inc., P. O. Box 2113
Denver: Western Appl. Corp., 201 So. Cherokee (9)
Albuquerque: Zork Hardware Co. of N. W., 1412 No. 12 St.
Phoenix: Gordon E. Wilkins-Ironers Inc., P. O. Box 5037

JACKSON APPL. MFG. CO., 75 Front St., Brooklyn 1, N. Y.

JACOBS CO., F. L., 1043 Spruce St., Detroit 1, Mich.
(See Horton Mfg. Co.)

JAMES CLOCK MFG. CO., 5307 E. 14th St., Oakland 1, Calif.
(James Remind-O-Clock)
Factory service only.

JAMES MFG., Independence, Kan.
(Automatic dishwasher)
Distributors:
Phoenix: Electrical Equipment Co., 1st Ave. at Madison
Los Angeles: Sues, Young & Brown, 3636 S. Bronson Ave.
San Francisco: Thompson-Holmes Ltd., 650 Second St.
Denver: Larson Dist. Co., P.O. Box 4013
Butte: Treasure State Gas & Elec. Co., 827 S. Montana St.
Portland: F. B. Connelly Co., 1233 N. W. 12th (9)
Seattle: Harper-Meggee Co., 960 Republican St. (9)

JOHNSON & SON, INC., S. C., Racine, Wis.
Service Stations:
Los Angeles: Electrical Appl. Service Corp., 726 W. Venice Blvd.; Sun Vacuum Stores, 998 S. Broadway
Sacramento: Lam-Co Electric, 1415 21st St.
San Diego: Electrical Appl. Service Corp., 302 17th St.
San Francisco: Electrical Appl. Service Corp., 1434 Howard St. (3); Will M. Aronson Co., 666 Howard St. (5)

Denver: Marine Air Conditioners, 1863 Wazee St. (2)
Lewiston: Union Paper & Supply Co., 206 Ninth St.
Billings: Dyson's, 3116 First Ave. N.
Albuquerque: Electric Motor Co., 1801 Campus Blvd.
Portland: Stark's Vacuum Cleaner Sales & Service, 20 S.E. Grand Ave. (14)
Salt Lake City: A-1 Master Electric Co., 47 E. 4th South St.
Seattle: A Appliance Co., 610 E. Pine St. (22).
Spokane: Appliance Parts & Service Co., W. 609 Trent Ave.

KAUFMAN MFG. CO., Manitowoc, Wis.
(Hedgemaster portable hedge trimmer, GT-50 Kaufman gas trimmer)
Factory service only.

KAYE-HALBERT CORP., 3623 Eastham Drive, Culver City, Calif.
(Kaye-Halbert television receivers)
Distributors:
Culver City: Kaye-Halbert Dist. Inc., 3623 Eastham Drive
San Diego: Gold E. Dist. Inc., 1905 E. Harbor Drive (13)
San Francisco: WRESCO, 140 9th St. (3)
Salt Lake City: Edward J. Moreau Co., 117 W. 2nd St.

KELTON CLOCKS
(See Ingersoll Div.)

KELVINATOR (See Nash-Kelvinator)

KEYSTONE SILVER INC., 509 W. 34th St., New York 1, N. Y.
(Keystoneware percolators)
Service stations:
Los Angeles: Electric Lighting Supply Co., 216 W. 3rd St.
San Francisco: Appliance Service Factors, 123 Stewart St.
Portland: Morrison Electric Co., 1206 S.W. Washington St.
Seattle: A Appliance Co., 610 E. Pine St.

KIRBY HOME RENOVATION SYSTEM (See Scott & Fetzer Co.)

KISCO CO. INC., 2400-40 DeKalb St., St. Louis 4, Mo.
(Kisco Circulair and Cool-Circle-Ator)
Factory service only.

KITCHENAID ELECTRIC HOUSEWARES DIV., Hobart Mfg. Co., Troy, Ohio
(KitchenAid electrical food preparers and electric coffee mills)
Service Stations:
Hobart Sales Agency in San Francisco, San Diego, Santa Rosa, San Jose, Sacramento, Fresno, Los Angeles, Oakland, Long Beach, Stockton, San Bernardino, Denver, Pueblo, Billings, Helena, Boise, Portland, Seattle, Spokane, Tacoma, Salt Lake City, Phoenix, Reno

KITCHENAID HOME DISHWASHER DIV., Hobart Mfg. Co., Troy, Ohio
(KitchenAid automatic home dishwasher)
(See classified telephone directory or write factory)

KINSFORD SPECIALTY CO., 3915 Powelton Ave., Philadelphia, Pa.

KNAPP-MONARCH CO., Bent & Potomac St., St. Louis 16, Mo.
(elec. appl., fans, Knapp heaters)
Service Stations and Distributors:
Denver: Western Appl. & Elec., 1159 Stout St.
Los Angeles: Elec'l. Appl. Service Corp., 726 W. Venice Blvd.
Phoenix: Vinson-Carter Elec. Co., 325 N. 4th
Portland: Morrison Elec. Service, 1236 S. W. Washington (5); Houston's (Spark. syph. only), 403 S. W. 10th.
Salt Lake City: Appliance Service Center, 57 Richards St.
San Diego: Elec'l. Appl. Service Corp., 302 17th St.
San Francisco: Elect. Appl. Service Corp., 1434 Howard St.
Seattle: Hooper Elec. Co., 322 Marion St.
Spokane: Spokane Appliance Repair, 173 So. Wall St.
Billings: Billings Electric Supply Co., 208 N. 29th St.
Factory service also.

KORD MANUFACTURING CO. INC., 4510 White Plains Road, New York 65, N. Y.
(Heaters and table stoves)
Service Stations:
San Francisco: M. C. Ross, 190 Gough St. (for California)
Boise: C. A. Bodily Radio Service, 1603 No. 13th (for Idaho)
Salt Lake City: Appliance Service Center, 57 Richards St. (for Utah)
Portland: Arrow Electric Co., 911 S.W. 9th Ave. (for Oregon)

L. & H. ELECTRIC RANGES (See A. J. Lindemann & Hoverson Co.)

LACO OIL BURNER CO. INC., Griswold, Iowa
(Laco Oil Burners)
(Minor repairs by local Laco dealers)
Factory service only.

LANDERS, FRARY & CLARK, New Britain, Conn.
(Universal electric housewares)
Service Stations:
Long Beach: *California Elec. Service, Inc., 1407 E. 4th St.
Los Angeles: *California Elec. Service, Inc., 832 S. Alvarado St.
Sacramento: *Lameo Electric Co., 1415 21st St.
San Diego: *J. F. Zwiener Elec. Co., 1242 1st Ave.
San Francisco: *Universal Elec. Appl. Co., 1265 Folsom St. (3); *Calif. Elec. Service Inc., 168 First St.
Eugene: C. & S. Electric Co., 1070 Willamette St.
Portland: Morrison Elec. Co., 1206 S.W. Washington at 12th St. (5)
Bremerton: Lent's, 279 4th St.
Seattle: *Appliance Parts & Service Co., 216 Stewart St. (1)
Spokane: *Appliance Parts & Service Co., 609 W. Trent Ave.
Salt Lake City: *A-1 Master Elec. Shop, 47 E. 4th South St.
Phoenix: *Vinson Carter Elec. Co., 325 N. 4th St.
Tucson: Grabe Electric Co., Inc., 26 E. Congress St.
Denver: *Colorado Vacuum Sweeper Co., 534 15th St.
Butte: *Radio Eng. & Service Co., 219 W. Park St.
Albuquerque: *Begley's Appl. & Repair, 4919 Ensanada Place
Tacoma: Ajax Electric Co., 747 Fawcett Ave.
Fresno: The Clock Shop, 1418 Fulton St.
San Jose: D & S Repair Service, 402 W. Santa Clara St.
Billings: *Billings Elec. Supply Co., 214 No. 30th St.
Yakima: Yakima Hardware Co., P.O. Box 1021
*—Cleaner service & parts as well as electric housewares parts & service
Vacuum cleaner service stations only:
Los Angeles: Los Angeles Electric Sales & Service, 1301 W. Washington Blvd.; Louis Clark, 2141 W. Washington Blvd.
Portland: Bressie Electric Co., 909 S. W. 5th Ave.; Stark's Vacuum Cleaner Service, 512-516 E. Burnside Ave.

LaSALLE PROD., INC., 143 Seneca St., Buffalo 3, N. Y.
Service Stations:
Portland: Morrison Elec. Co., 1206 S.W. Washington at 12th Ave.; Bee Elec. Serv. Co., 28 N.W. 10th Ave.
Seattle: A Appl. Co., 610 E. Pine St. (22)
San Francisco: M. C. Ross, 190 Gough St. (2)
Los Angeles: State Appl. Serv., 2224 W. 7th St.
Sacramento: Lameo Elec., 1415 21st St.
Spokane: Spokane Appl. Repair, S. 173 Wall St.
Medford: Electronic Service, 18 N. Grape

LAUNDERALL WASHERS (See Horton Mfg. Co.)

LEAR INC., 110 Ionia Ave., N. W., Grand Rapids 2, Mich.
West Coast Sales and Service:
Lear Inc. of California, 11916 W. Pico Blvd., Los Angeles 64
(Lear Aircraft Radio)
Service Distributors and Dealers
Bakersfield: Pemberton Flying Service, Dept. 304, 2199 Airport Drive
Fresno: Air Oasis Co., Chandler Field
Oakland: Boyaire Radio Service, Municipal Airport; Pacific Aircraft Sales Co., Municipal Airport
Rialto: Valley Air Services, Box 909
San Francisco: C. J. Hendry Co., 27 Main St. (5)
Phoenix: Sky Harbor Air Service, Box 649, Sky Harbor Airport
Long Beach: Skycrafters Aviation Radio, 2735 E. Spring St.; Martin Aircraft Sales, Municipal Airport
Boise: Aircraft Service Co., P.O. Box 829, Bradley Field
Butte: Butte Aero Sales & Service, Inc., Municipal Airport
Seattle: Angle Radio Co., 209 1st Ave. So.; Washington Aircraft & Transport Corp., Boeing Field
Portland: A. W. Whitaker, P. O. Box 3820, 5001-15 N.E. Union Ave.; Flightcraft Inc., 6742 N.E. Marine Drive, Columbia Airport
Denver: Aircraft Radio & Accessory Co., Stapleton Airfield
Burbank: Qualitron Inc., 2945 Hollywood Way
Santa Monica: Santa Monica Aviation, Santa Monica Airport.
Cody: Rocky Mountain Air Service
Albuquerque: Cutter-Carr Flying Service, P.O. Box 274

LECTRO SPEED CO., 12005 N. Burgard, Portland 3, Ore.
(Automatic hot water heaters)
Distributor:
Portland: Electrical Distributing Inc., 140 N.W. 14th Ave. (9)

LEESON STEEL PRODUCTS INC., 808 E. 8th St., New Albany, Ind.
(Presteline home appliances)
Distributor:
San Francisco: Pacific Telecoin Corp., 1337 Mission St.

LEKTRO PRODUCTS INC., Milford, Conn.
(Packard shavers)
Service Stations:
Phoenix: 128 S. Central Ave.
Tucson: 307 E. Congress St.
Fresno: 1916 Fresno St.
Hollywood: 6636 Hollywood Blvd.
Long Beach: 238 E. 1st St.
Los Angeles: 711 S. Olive St. (14)
Oakland: 25 Grand St. (12)
Sacramento: 1107 J St.
San Diego: 428 C St.
San Francisco: 41 1st St.; 459 Geary St.
Denver: 1525 Arapahoe St. (2)
Portland: 525 S. W. Pine St. (4)
El Paso: 407 Texas St.
Salt Lake City: 47 W. S. Temple St.
Seattle: 1910 4th Ave. (1)
Spokane: W. 916 Riverside Ave. (2)
Tacoma: 1003 A St.
Boise: 609 Bannock St.

LEONARD REFRIGERATORS (See Nash-Kelvinator)

LEWYT CORP., Vacuum Cleaner Division, 60 Broadway, Brooklyn 11, N. Y.
Distributors:
Denver: Western Appliance Co., 201 So. Cherokee
Salt Lake City: W. H. Bintz Co., 433 W. 3rd St.
El Paso: Albert Mathias & Co., 113 S. Mesa
Seattle: F. B. Connelly Co., 1015 Republican St.
Los Angeles: Sues, Young & Brown Inc., 3636 So. Bronson Ave.
Portland: F. B. Connelly Co. of Oregon, 905 N.W. 12th Ave.
Billings: Northwestern Auto Supply Co., 420 No. Broadway
Spokane: Inland Empire Wholesalers, 110 So. Wall St.
San Francisco: Frank Edwards Co. Inc., 382 6th St.

LIBERTY ELEC. CO., 1915 Madison Ave., Indianapolis, Ind.

LIGHTOLIER CO., Jersey City 5, N. J.
(Lightolier fluorescent and incandescent lighting fixtures, portable lamps)
Factory service only.

LIGHTING PRODUCTS INC., Highland Park, Ill.
Representatives:
Denver: Fred E. Staible & Sons, 2046 Arapahoe
Seattle: Wm. Proby, 442 Smith Tower (4)
Spokane: Carl Mann, 121 S. Madison
San Francisco: James Mundstock, 320 Market St.
Portland: E. A. Ryan, 4271 S. E. Stark (15)
Los Angeles: Carl Lertzman, 5455 Hollywood Blvd. (27)

LIGHTS, INC., 111 S. Fremont, Alhambra, Calif.

A. J. LINDEMANN & HOVERSON CO., 601 W. Cleveland Ave., Milwaukee 15, Wis.
(Lectro Host electric ranges, water heaters, refrigerators & home freezers)
Distributors:
San Francisco: Lavenson & Savasta, 686 6th St. (3)
Los Angeles: Harry L. Shane Inc., 160 W. 33rd St. (7)
Portland: Robert L. Rice & Co., 1238 N.W. Glisan St. (9)
Seattle: Robinson Distr. Corp., 3129 Western Ave. (1)
Spokane: Taylor Dist. Co., E. 206 Augusta Ave.
Salt Lake City: S. R. Ross Inc., 1212 S. State St.
Denver: Hassco, Inc., 1745 Wazee St. (1)

LIONEL CORP., 15 E. 26th St., New York 10, N. Y.
(Factory: 28 Sagar Place, Irvington 11, N. J.)
(Lionel elec. trains, Model R. R. equipment, construction kits, Trainmaster transformers)
Service Stations:
Phoenix: Arizona Eastern R.R. Shop, 2002 N. 23rd St.
Tucson: Towsend's, 2751 N. Campbell Ave.
Alhambra, Calif.: W. L. Moore, 308 S. 2nd St.
Bakersfield: The Stamp & Coin Shop, 1414 20th St.
Carmel: Douglas Kay Inc., Toys & Sporting Goods, Lincoln Ave.
Fresno: Arthur's Toy Shop, 911-915 Broadway
Hollywood: Hollywood Hobby & Elec. Shop, 1522 Cahuenga Blvd.
Inglewood: The Hobby House, 610 E. Manchester Blvd.
Kingsburg: Olson Bros., 1530 Marion St.
Long Beach: Ray's Hobby Model Supply, 1222 American Ave.
Los Angeles: J. R. Metz, 1753 W. 21st St.; Troxel Bros., Models, 202 S. Western Ave., Colonel Bob's, 3707½-09 W. Pico Blvd.; Train Repairs, 5406¼ Lemon Grove
Marysville: Mac's Round House, 514 Eye St.
Oakland: Jack Collier's "Toys for Men," 3649 Grand Ave.; Lee's Train Service, 3930 Piedmont Ave.
Palo Alto: Palo Alto Sport Shop, 526-34 Waverly St.
Pasadena: Garstang's Trains & Toys, 87 E. Colorado St.
Rosemead: Toytown, 8714 Valley Blvd.
Sacramento: H. Cameron Jr., 609 Jay St.; H. K. Vance, Train Repairs, 2538 5th Ave.
San Diego: Frank "The Trainman," 4310 Park Blvd.
San Dimas: G. F. Harbin Co., 209 W. Bonita Ave.
San Francisco: Calif. Elec. Service Inc., 168 1st St. (5); Jack Collier's "Toys for Men," 693 14th St.

San Luis Obispo: The Engine House, 480 Pacific St
San Mateo: Jack Smith Toy & Bicycles, 1927 El Camino Real
Colorado Springs: Earl Udick Service, 115 N. Nevada Ave.
Denver: Fisher Hdwe. Co., 2322 E. Colfax Ave.; Dire's Repair Service, 1104 18th St.
Portland: Reginald Bowles—E. C. Flegel, 3504 N. Melrose Drive
Eugene: Magazine Exchange, 126 E. 11th
El Paso: Lowenberg Radio Service, 2511 E. Yandell Blvd.
Salt Lake City: Electronic Service & Supply Co., 115 E. Broadway
Ogden: P. G. Boam Co., rear 2326 Wash. Blvd., Box 1401
Seattle: Model Railroad Repair Service, 7001 29th N.E.; Model Engineering, 9524 Roosevelt Way
Spokane: Spokane Cycle & Toy Co., 217-219 N. Post St.
Yakima, Wash.: Staves & Son, 802 S. Naches Ave.
Boise: Fred Stivers Model R.R. Shop, 1315 Hays St.
Billings: Barrett's Roundhouse, 742 Howard
Butte: Phillips Repair Shop, 2226 Silver Bow St.
Reno: Builders & Farmers Hardware Co., 1274 So. Virginia St.
Albuquerque: Denton, 837 S. Kentucky

LITTLE GIANT INC.
(Laundry tray washers)
Parts and service:
Oakland: Electrical Appl. Service Co., 4238 Broadway
San Francisco: Elec'l. Appl. Service Co., 1434 Howard St.

LOVELL MANUFACTURING CO., Erie, Penn.
(Washing machine wringer rolls and repair work)
Distributors:
Denver: Ray Jones, 376 S. Broadway (9)
Los Angeles: Elec'l. Appl. Service, 726 W. Venice Blvd.
Portland: W. L. May Co., 215 N W. Park Ave.
Seattle: Appl. Parts & Serv. Co., 216 Stewart St.
San Francisco: Electric Appliance Service Corp., 1434 Howard St.
San Diego: Electric Appliance Service Corp., 302 17th St.
Boise: Karre Appliance Repair Shop, 1511 State St.
Salt Lake City: Apex Sales & Service, 171 E. Broadway
Denver: Geo. S. Conley, 721 15th St.

LUMIDOR CO. INC., 4801 E. 50th St., Los Angeles 58, Calif.

LUX CLOCK MFG. CO., THE, Waterbury, Conn.
Factory service only.

LYON METAL PRODUCTS INC., Aurora, Ill.
Branch offices at:
Los Angeles: 3650 Union Pacific Ave. (23)
Portland, P.O. Box 3797
Spokane: 614 Peyton Bldg.
Denver: 2142 Welton St. (6)
San Francisco P.O. Box 3096
Seattle: 1755 Utah Ave. (4)
Tucson: P.O. Box 5166

MACARTHUR PRODUCTS INC., Indian Orchard, Mass.
Factory nearest source supply.

MAGNAVOX CO., Fort Wayne 4, Ind.
(Magnavox radio, phonograph and television)
Magavox dealers authorized to service Magnavox instruments

MAJESTIC ELECTRIC APPL. CO., 1058 Folsom St., San Francisco (3), Calif.

MAJESTIC RADIO & TELE., Div. Wilcox-Gay Corp., 385 Fourth Ave., New York 16, N.Y.
Distributors:
Butte: Northwest Sales Supply Co., Box 368
Los Angeles: Magestic Radio & Television, 1776 S. Robertson Blvd.
Portland: F. H. Connelly Co. of Ore., 905 N.W. 12th Ave.; Premium Distributing Co., 1121 S.W. Washington St.
San Francisco: Pacific Telecoin Corp., 1337 Mission St.
Seattle: F. B. Connelly Co., 1015 Republican St.; Western Electronic Supply Co., 2609 First Ave.

MALLEABLE IRON FITTINGS CO. INC., Pole Hardware Div., Branford, Conn.
Representatives:
San Francisco: Waltham, DeWitt & Krusi, 632 Monadnock Bldg.
Los Angeles: Industrial Eng. & Equipment Corp., 720 Subway Terminal Bldg. (13)
Portland: William J. Cottrell, 11341 S.W. Pacific Highway

MANITOWOC EQUIPMENT WORKS, 621 Quay St., Manitowoc, Wis.
(Manitowoc Sub-Zero freezers)
Distributors:
Los Angeles: U. S. Grant Supply Co., 2900 E. 11th St (23)
Oakland: California Dist. Co., 2201 E. 14th St. (6)
Denver: Contractors Heating & Supply, 70 Santa Fe Drive (9)
Billings: Midland Implement Co.
Reno: Saviers Electrical Products Corp., 640 Sierra St.
Portland: R. M. Wade Co., 106 S. E. Hawthorne Blvd. (14)
El Paso: E. H. Krohn and Co.
Salt Lake City: Walter B. Lloyd Co., 51 S. Second West
Seattle: R. M. Wade Co., 532 First Ave. S. (4)

MANNING BOWMAN DIVISION, McGraw Electric Co., Fostoria, Ohio
Service Stations:
Denver: Midwest Elec. Co., 1124 Santa Fe Drive (4)
Los Angeles: K. E. Campbell, 316 E. 3rd St. (13)
San Diego: Zweiner Elec. Co., 1242 1st Ave.
San Francisco: Manning, Bowman Service Co., 657 Mission St.
Portland: Morrison Elec. Supply, 1206 S. W. Washington St. (5)
Seattle: Appl. Parts & Service, 216 Stewart St.

MARBRO LAMP, 1625 S. Los Angeles St., Los Angeles, Calif.

MARCO INDUSTRIES CO., 207 S. Helena St., Anaheim, Calif.
(Indicator lights and Amerflex Flexible conduit assemblies)
Factory service only.

MARION ELEC. APPL.
(See Rutenber Elec. Co.)

MARKEL ELEC. PRODUCTS INC., 145 Seneca St., Buffalo, N.Y.
(Heetaire electric heaters, lighting fixtures)
Service Stations:
Seattle: A Appliance Co., 610 E. Pine St. (22)
Portland: Morrison Electric Service Co., 5 S.W. Washington & 13th St.
Los Angeles: The State Appliance Service, 2224 W. 7th St.
San Francisco: M. C. Ross, 196 Gough St. (2)
Spokane: Spokane Appl. Repair, S. 173 Wall St.
Sacramento: Lam-Co. Elec., 1415 21st St.
Phoenix: Reliable Wholesale, 33 N. 6th Ave.

MARLUN MFG. CO. INC., 22-28 W. 21st St., New York 10, N. Y.
(Ritz Black Angus appliances)

MARQUETTE APPLIANCES INC., 307 E. Hennepin Ave., Minneapolis 14, Minn.
(Marquette refrigerators, home freezers, gas and electric ranges, washers, ironers, driers, gas and electric water heaters, water coolers)
Distributors:
Phoenix: Phoenix Auto Supply, P.O. Box 2111
Los Angeles: Union Hdwe. & Metal Co., 5555 Ferguson Drive
Oakland: Shields Harper & Co., 5107 Broadway
Denver: Hendrie & Bolthoff, 1635 17th St.
Billings: Hines Motor Supply Co.
Seattle: Schwabacher Hdwe. Co., 1st Ave. S. & Jackson St.

MARTIN-PARRY CORP.
(See Rexair Div.)

MASTER APPLIANCE MFG. CO., 4th & Ontario St., Racine, Wis.
(Electric dryers, fans, portable hand tools)
Los Angeles: State Appl. Service, 2224 W. 7th St. (5)
San Francisco: Appliance Service Factors, 123 Steuart St.
Portland: Northwest Clipper & Shaver Service, 16 S.E. 28th Ave.

MASTER GRANDE WASHERS
(See Vidrio Products Co.)

MAYTAG CO., Newton, Iowa.
(Maytag washers, ironers, gas ranges)
Distributors and Branch Offices:
Portland: Maytag Northwest Co., 1136 N.W. Hoyt St. (9). (Wash., Ore., Idaho, Utah, western Nev.)
Los Angeles: Maytag West Coast Co., 1225 W. Ninth St. (15). (Calif., eastern Nev.)
Colorado Springs: Maytag Rocky Mt. Co. (Colo., Wyo., N.M., Ariz.)
Montana: The Maytag Co., 515 Washington Ave., N., Minneapolis, Minn.

McALLISTER-ROSS CORP., 407 S. Dearborn St., Chicago 5, Ill.
(McAllister "bagless" vacuum cleaners)
Distributors:
Los Angeles: Kinney Bros., 200 North Ave. (18)
San Francisco: Schuyler-Wilson Co., 458 Merchandise Mart
Seattle: Poole Electric Co., 1116 4th Ave.
Portland: F. B. Connelly Co., 1225 N. W. 12th St. (9)
Spokane: Columbia Elec. & Mfg. Co., S. 123 Wall St.
Billings: Midland Implement Co.
Salt Lake City: Western Supply Co., 357 W. 2nd St. So.
Phoenix: Arizona Mercantile Co. (Household Appliance Division) Central at Jackson
Reno: Schuyler-Wilson Co., 458 Merchandise Mart

McGRAW ELECTRIC CO., Clark Div., 5201 W. 65th St., Chicago 38, Ill.
(Toastmaster electric and gas water heaters)
Distributors:
Phoenix: Graybar Electric Co., 434 W. Madison St.
Long Beach: Graybar Electric Co., Inc., 1700 Daisy St.
Los Angeles: Graybar Electric Co., Inc., 210 Anderson St.
San Diego: Graybar Electric Co., Inc., 720 State St.
Portland: Electrical Distributing Inc., 140 N.W. 14th Ave. (9)
Denver: Hendrie & Bolthoff Co., 1635 17th St.
Pueblo: N. O. Nelson Co., 118-22 E. River St.
Salt Lake City: N. O. Nelson Co., 380 W. 2nd South (1)
Seattle: Seattle Hardware Co., 501 First Ave. So.
Helena: D. N. Latus & Co., 1531 National Ave.
Honolulu: Territorial Agencies Ltd., 1105 Kapiolani Blvd., P.O. Box 673

McGRAW ELECTRIC CO., Toastmaster Products Division, Elgin, Ill.
(Toastmaster)
Service Stations:
Denver: E. S. Hawkins Elec'l Service, 716 18th St.; Midwest Elec. Service Co., 1124-26 Santa Fe Drive
Los Angeles: K. E. Campbell Electric, 316 E. 3rd St. (13)
Portland: Bressie Elec. Co., 909 S. W. 5th Ave. (4)
Salt Lake City: Appliance Service Center, 57 Richards St. (1)
San Diego: J. F. Zwiener Elec'l. Co., 1242 1st Ave.
San Francisco: Campbell Bros., 657 Mission St., Room 504 (5)
Seattle: Appl. Parts & Service Co., 214 Stewart St. (1)
Spokane: Appl. Parts & Service Co., 519 W. Trent Ave. (8)
Honolulu: Hawaiian Electric Co. Ltd.

MEADOWS CORP., 1954 S. 54th Ave., Chicago, Ill.
(See Thor Corp.)

MEIER ELECTRIC & MACHINE CO., INC., 3525 E. Washington St., Indianapolis 7, Ind.
(Meier Nu-air fan and electric furnaces)
Factory service only.

MELL-O-CHIME AND SIGNAL CORP., 119 S. Jefferson St., Chicago 6, Ill
(chimes)
Repairs at plant.

MERIT-MADE INC., 17 Court St., Buffalo 2, N. Y.

METAL WARE CORP., Two Rivers, Wis.
(Empire and Empco domestic electric appliances)
Seattle: Elec'l. Engineering Co., 110 Marion St. (4).
Spokane: R. T. Carr Sales Co., 919 W. First Ave.
Portland: Morrison Elec. Service, S.W. Washington at 13th (5).
San Jose: Century Elec. Co., 18 E. San Antonio St.
San Diego: J. F. Zwiener Elec. Co., 1242 1st Ave.

MICAMOLD RADIO CORP., 1087 Flushing Ave., Brooklyn 6, N. Y.

MIDGET HEATER & SPECIALTY CO., 2801 Pacific Ave., Tacoma 2, Wash.
Factory service only.

MILLER CO., THE, Meriden, Conn.
(Lighting equipment)

MILO MFG. CO., 2255 Bush St., San Francisco, Calif.

MIRACLE ELECTRIC CO., 203 N. Wabash Ave., Chicago 1, Ill.
(small electric appliances)
Service Stations now being established.

MODERN APPLIANCE CO., 111 S. Ellsworth, San Mateo, Calif.

MONARCH MFG. CO., 2014 N. Major Ave., Chicago, Ill.

MONITOR EQUIPMENT CORP., Riverdale-on-Hudson, New York 71, N. Y.
(Monitor home appliances)
Pacific Coast factory representative:
The O. B. Wilt Co., 1355 Market St., San Francisco, Calif.
Service Stations:
Fresno: Electrical Supplies Inc., 220 M St.
Los Angeles: Gough Industries Inc., 819 E. First St. (13)
San Francisco: Kaemper & Barrett, 1850 Mission St.; Washing Machine Parts Co., 45 Rhode Island St.
Portland: Home Makers Supply Co., 824 S. W. 18th Ave.
Salt Lake City: Stewart Distr. Co., 505 So. 1st. W.
Seattle: Seattle Radio Supply Inc., 2117 Second Ave.
Butte: Monitor Home Appl. Inc., 604 Utah Ave.

MONTAG STOVE & FURNACE WORKS, 2011 N. Columbia Blvd., Portland, Ore.
(Montag electric ranges and water heaters)

MOTOR PRODUCTS CORP., Deepfreeze Div., 2301 Davis St., North Chicago, Ill.
(Deepfreeze home freezers, refrigerators, electric ranges and water heaters)
(See Deepfreeze)

MOTOROLA INC., 4545 Augusta Blvd., Chicago 51, Ill.

(Motorola Radio)
Distributors:
Denver: Boyd Distr. Co., 20 W. 13th Ave. (4)
Portland: Eoff Electric Co., 509 N.W. 10th St.
Billings: Taylor Dist. Co., P. O. Box 1116
San Francisco: W. J. Lancaster Co., 1045 Bryant St. (3)
Los Angeles: Kieruff and Co., 820 W. Olympic Blvd. (15)
Seattle: Zerega Dist. Co., 515 Westlake Ave N. (9)
Phoenix: Arizona Wholesale Supply Co., P. O. Box 2379
Salt Lake City: Salt Lake City Hdwe. Co., P. O. Box 510 (9)
Spokane: Taylor Dist. Co., P. O. Box 1077

MURLIN MANUFACTURING CO., 5420-34 Paschall Ave., Philadelphia 43, Penn.
(Marine lighting)
Sales Representatives
Seattle: E. A. Will, 534 First Ave. S. (4)
San Francisco: Electrical Industries, 1135 Harrison St. (3)
Los Angeles: Allied Industries, 412 Seaton St.

MURPHY MFG. CO., 7405 Stony Island Ave., Chicago 49, Ill.

MURRAY CORP. OF AMERICA, THE, Home Appliance Division, Scranton 2, Pa.
District Manager:
F. S. Lodge, 450 Sequoia Ave., Palo Alto, Calif.

NASH-KELVINATOR CORP., 14250 Plymouth Rd., Detroit 32, Mich.
(Kelvinator refrigerators, electric ranges, home freezers, com'l refrigerating equip., air dryers, water heaters, Leonard refrigerators, ranges, home freezers, air dryers, water heaters)
Seattle: Nash-Kelvinator Sales Corp., 2819 Elliott Ave. (1)
Portland: Nash-Kelvinator Sales Corp., 2133 N.W. York St.
Oakland: Nash-Kelvinator Sales Corp., 2325 E. 12th St. (1)
Los Angeles: Nash-Kelvinator Sales Corp., 2914 E. 46th (58)
Denver: Western Appl. Corp., 201 So. Cherokee (9)
Salt Lake City: Flint Distr. Co., 316 W. 2nd S. St. (11)
Phoenix: Elec'l Equipment Co. of Ariz., 1st Ave. at Madison, P.O. Box 4185
Billings: Taylor Distributing Co., 4148 First Ave. S, P.O. Box 1116
El Paso: Pass City Distributors, 724 E. Overland St.
Albuquerque: Charles Ilfeld Co., 200 N. 1st St.
Roswell, N. M. Wilmot Hdwe. Co., 115 N. Main St.

NATIONAL ACOUSTIC PRODUCTS, 120 N. Green St., Chicago 7 Ill.
(amplifiers, electronics equip., toasters, record changers)
Factory service only.

NATIONAL APPLIANCE CO., 4814-18 W. Vernor Hwy., Detroit 9, Mich.
(Ventrola fans and ventilators)

NATIONAL DIE CASTING CO., Toughy Ave. at Lawndale, Chicago 45, Ill.

NATIONAL ELECTRIC MFG. CO., 1107 Sheffield, Niles, Mich.

NATIONAL PRESSURE COOKER CO., Eau Claire, Wis.
(Presto fryer and iron)
Service Center:
Los Angeles: Century Metalcraft Corp., 6000 Avalon Blvd. (3)
Service Stations:
Phoenix: Vinson-Carter Electric Co., 325 N. 4th St.
Denver: Midwest Elec. Service Co., 1124-1126 Santa Fe Drive (4)
Long Beach: Calif. Elec. Service, Inc., 1407 E. 4th St.
Los Angeles: Calif. Elec. Service, Inc., 832 S. Alvarado St. (5)
San Francisco: Calif. Elec. Service, Inc., 168 1st St.
Billings: Billings Electric Supply Co., 214 N. 30th St.
Portland: Bressie Electric, 909 S. W. 5th Ave.
Salt Lake City: Appliance Service Center, 57 Richards St.
Seattle: A. Appliance Co., 610 E. E. Pine St. (22)

NATIONAL SPECIALTIES CO., Howell and Tyler St., Fort Wayne, Ind.

NATIONAL STEEL CONSTRUCTION CO., 500 Myrtle St., Seattle 8, Wash.
(National and Columbia elec. water heaters)
Factory, jobbers and dealer service

NAXON UTILITIES CORP., 3600 W. Touhy Ave., Chicago 45, Ill.
(Naxon, Beanery, Vitamin Crock Cooker, Autogriddle, Luetro-griddle, portable elec. washers)
Service Stations:
Los Angeles: Elec'l. Appl. Service Corp., 726 W. Venice (15)
San Francisco: Elec'l. Appliance Service Corp., 236 Harriet St.
San Diego: Elec'l Appliance Service Corp., 302 17th St.

HERMAN NELSON DIV., AMERICAN AIR FILTER CO., INC., 1824 Third Ave., Moline, Ill.
(Unit ventilators, propeller fan-type unit heaters, propeller fans, unit blowers, portable heaters, centrifugal fans, centrifugal fan-type unit heaters de luxe unit heaters)
Division Offices:
Los Angeles: 6175 York Blvd. (42)
San Francisco: 925 Standard Oil Bldg., 225 Bush St. (4)
Service Stations:
Phoenix: Alfred C. Bacchlin Co., P.O. Box 912
Denver: Appleton Engineering, 1219 California St., Room 208
Missoula: W. M. Walterskirchen Co., P.O. Box 1163
Albuquerque: Albuquerque Engineering Co., 2722 Hyder Drive, P.O. Box 4033
Portland: T. C. Langdon Co., 100 N. E. Holladay (14)
Salt Lake City: Midgley-Huber, 44 W 8th South St. (4)
Seattle: E. H. Langdon Co., 72 Vine St. (1)
Spokane: Ralph L. Nelson, 124 E. Augusta Ave. (13)

NESCO, INC., 201 N. Michigan Ave., Chicago, Ill.
(Nesco products)
Service Stations:
Seattle: J. M. Hooper Electric Co., 222 Marion St.
Portland: Bressie Elec. Co., 909 S. W. 5th St.
San Francisco: Will M. Aronson Co., 666 Howard St.; Electric Appliance Service Co., 1434 Howard St.
Long Beach: Gulbransen Appliance Service, 217 E. 4th St.
Los Angeles: Elec'l. Appl. Serv. Corp., 726 W. Venice Blvd.; Calif. Elec. Service Inc., 832 S. Alvarado St.
San Diego: Electrical Appliance Service Corp., 302 17th St.
Denver: Midwest Elec. Service Co., 1124 Santa Fe Drive
Salt Lake City: Appliance Service Center, Inc., 57 Richards St.
El Paso: Wayne M. Tinkier Co., 813 Cedar St.
Spokane: Appliance Parts & Service, W. 609 Trent Ave.
Fresno: The Clock Shop, 1418 Fulton St.
Tacoma: Ajax Electric Co., 747 Fawcett Ave.
Sacramento: Lameo Electric Co., 1415 21st St.
Billings: Billings Electric Supply Co., 208 N. 30th St.
Butte: Radio Engineering & Service, 219 W. Park St.
Phoenix: Vinson-Carter Electric Co., 325 N. 4th St.

NEWARK APPLIANCE CORP. INC., 92 S. Sixth St., Newark, N. J.

NEW HOME SEWING MACHINES (See Free Sewing Machine Co.)

NOMA ELEC. CORP., 55 West 13th St., New York City, N. Y. (See Estate Stove Co., The, Division)
Pacific Coast headquarters: 2135 E. 7th Place, Los Angeles 21, Calif.; branch office: 60 Federal St., San Francisco, Calif.

NORGE DIVISION, Borg-Warner Corp., Mdse. Mart Plaza, Chicago 54, Ill. Plants Muskegon Hts., Mich.; Herrin, Ill., Effingham, Ill.
(electric refrig., ranges, washers, home freezers, home heaters, water heaters, refrigerator specialties)

Distributors and service:
Portland: F. B. Connelly Co., 905 N.W. 12th Ave. (9); W. G. Carey Co., 20 S. E. 8th Ave.
Seattle: F. B. Connelly Co., 1015 Republican St. (9); Pacific Utilities Co., 125 1st Ave. N. (9)
Spokane: Columbia Elec. & Mfg. Co., S. 123 Wall St., (8)
Boise: Salt Lake Hdwe. Co., 802 S. 8th St.
Reno: Sierra Appl. Co., 735 W. Third St.
Silver City, N. M.: Home Furniture Co., 202 N. Bullard St., P.O. Box 1190.
Denver: McCollum-Law Corp., E. 48th Ave. at Colorado Blvd., P.O. Box 5230 (17)
Billings: Midland Implement Co. Inc., 2303 Montana Ave., P.O. Box 2113
Salt Lake City, Salt Lake Hdwe. Co., 104 N. 3rd St. (9), P.O. Box 510
Phoenix: Black & Ryan, 630 W. Washington, P.O. Box 2234
Honolulu: Easy Appliance Co., 89-91 S. King St. (3)

NORTH AMERICAN ELEC. LAMP Co., 1014 Tyler St., St. Louis 6, Mo.

NORTH AMERICAN PROD. CO. INC., Wayne, Mich.

NUTONE, INC., Madison & Redbank Rds.; Cincinnati 27, Ohio
(Electric and mechanical door chimes, transformers, push buttons, signal devices, kitchen ventilating fans, electric ceiling heaters)

Representatives:
Los Angeles: Nutone, Inc., F. B. Marple, 919 E. 31st St. (11)
Seattle: Julian Wolf, 2420 31st Ave., W. (99)
Denver: Lewis C. Brady, 483 So. Race St.
Pacific Palisades: James Paulin, 377 Los Casas

OASIS ELEC. WATER COOLER (See Ebco Mfg. Co.)

OHIO ELECTRIC CO., 629 9th Ave., New York 19, N. Y.
(Ohio Tuee Sanitator, DeLuxe cylinder vacuum cleaners, Handette & DeLuxe hand vacuum cleaners; also parts and repairs for Ohio models, 4, 5, 6 vacuum cleaners, Sweeper-Vac repair and parts)
Factory service only.

OLYMPIC RADIO & TELE. INC., 3401 38th Ave., Long Island City (1) N. Y.
Distributors:
Los Angeles: Radio Products Sales Co., 1501 S. Hill St.
Albuquerque: Paul O. Burk, 503 S. 2nd St.
Seattle: Radio Products Sales Co., 1214 1st St.

ONE MINUTE WASHER CO., Kellogg, Iowa
(One Minute washer)
Seattle: Appl. Parts & Service Co., 214 Stewart St. (1)
Portland: W. L. May Co., 122 S. W. 5th Ave. (4)
Los Angeles: Washing Mach. Parts Co., 1241 S. Hope St. (15)
Denver: Ray Jones Washing Mach. Parts Co., 376 S. Broadway (9)
Salt Lake City: Claude Dodge, 153 Broadway
San Francisco: Washing Mach. Parts Co., 1321 Mission St.
San Diego: Washing Mach. Parts Co., 1743 India St.

OPERADIO MFG. CO., St. Charles, Ill.

ORLEY CORP., 475 Schaefer at Oakwood, Detroit 25, Mich.
(Orley home freezer)
Distributors:
Phoenix: Frank M. Siegmund Co., P.O. Box 162
Los Angeles: Pacific Telecoin Corp., 1776 S. Robertson Blvd. (35)
San Francisco: Paul H. Rice Co., 1355 Market St. (3)
Denver: Nelfran Co., 2013 S. Broadway (10)
Seattle: Robinson Dist. Corp., 3129 Western Ave. (1)

OSTER MFG. CO., JOHN, 1 Main St., Racine, Wis.
Factory service:
Los Angeles: 409 Wall St.
San Francisco: 277 Eddy St.
Seattle: 2224 First Ave.

PACIFIC ELECTRICORD CO., 9564 Santa Monica Blvd., Beverly Hills, Calif.

PACKARD-BELL CO., 12333 W. Olympic Blvd., Los Angeles 64, Calif.
(Radios, television, Phonocords)

Distributors:
Seattle: Don Redmond, 2308 4th Ave.; Paul Swanson, 2310 4th Ave.
Tacoma: N. Earl Davison, 2329 S. Tacoma Ave.
Spokane: Ollie Haack Dist. Co., E. 44 34th Ave.
Billings: Central Dist. Co., P.O. Box 1551.
Portland: Packard-Bell Oregon Co., 413 Southwest 13th Ave.
Altadena: Frank E. Ware, 2055 N. Fair Oaks
South Gate: Allen A. Stewart, 8640 State St.
Gardena: Frank Guernsey, Jim Madden, 16402½ S. Vermont
Ventura: Cliff Russell, P.O. Box 1117
San Mateo: William C. Miles, 1036 N. Idaho St.
Santa Ana: William Heggenberger, 1324 W. 1st St.
Santa Rosa: Gordon O. Leonard, P.O. Box 154.
San Jose: George A. Gillespie, 1435 S. 1st St.
Sacramento: Robert E. Brady, 2418 30th St.
Oakland: A. R. Bell Co., 188 10th St.; Ken Chilton, Don Fleming, 1009 Cypress St.
San Francisco: John E. Amberg, 894 Folsom St.; Paul E. Crowley, 1157 Post St. (3).
Fresno: Dick Schattinger, 120 N. Maple St.
North Hollywood: Ralph Kraus Co., 12437 Ventura Blvd.
Pomona: J. C. Nash, 261 S. Park St.
Riverside: Louis Mahlman, 247 La Cadena Dr.
San Diego: James N. Baldry, L. J. Frinchaboy, 3069 El Cajon
Long Beach: W. S. Taylor, 2030 W. 16th St.
Los Angeles: Ed Aigner, Charles Bowen, Paul Crocker, George C. Mills, H. H. "Dusty" Rhodes, Tom Stevens, 1425 S. Flower St.; E. M. Chapman, John Felker, Fred Stevens, 846 S. Robertson Blvd.
Phoenix: Fannin's Gas & Equip. Co., 1891 W. Roosevelt
Denver: Appliance Dist. Inc., E. J. Carpenter, 211 Wazee Market (4)
Honolulu: Nylen Bros. & Co., Ltd., 820 So. Beretania St.
Salt Lake City: Mountain States Dist. Inc., 622 So. State St.
Factory service departments:
Seattle: Hal Tabor, 2310 4th Ave.
San Francisco: Bob Clark, 1157 Post St.
Los Angeles: Carl Duffy, 1101 So. Hope St.
San Diego: Larry Swiney, 3069 El Cajon Blvd.
Salt Lake City: George Brown, 624 S. State St.

PACKARD ELECTRIC SHAVER
(See Lektro Products)

PEERCO INC., 4538 W. Roosevelt Road, Chicago 24, Ill.

PEERLESS BUILT-IN-FIXTURE CO., 2608 San Pablo Ave., Berkeley, Calif.

PEERLESS ELEC. CO., 740 West Market St., Warren, Ohio.
Factory supply:

PEERLITE MFG. & SUPPLY CO., 178 5th St., San Francisco, Calif.

PERFECTION STOVE CO., 1280 45th St., Oakland 8, Calif.
Distributors:
Los Angeles: Westland Warehouses Inc., 4814 Loma Vista Ave. (58)
Portland: Oregon Transfer Co., 1238 N. W. Glisan St. (9)
Spokane: Cater Transfer & Storage Co., 121 S. Madison

PHILCO CORP., Electric Range Div., 151 Lafayette, Mt. Clemens, Mich.

PHILCO CORP., Philadelphia 34, Penn.
(Philco refrigerators, radios, etc.)
Distributors:
Long Beach: Progress Co., 620 Anaheim, W.
Los Angeles: Philco—Los Angeles, 3631 Union Pacific Ave.
San Bernardino: Great Counties Appl. Dists., P. O. Box 489
Santa Barbara: Coast Counties Dists., 122 Helena Ave.
San Diego: R. E. Harris, Inc., Corner Front & Ash Sts.
San Francisco: Dalco Appliance Co., 685 7th St.
Fresno: Devlin-Drew Co., P.O. Box 1326
Bakersfield: Devlin-Drew Co., Calif. & Oak St.
Sacramento: Dalco Appliance Co., 6th & Q St.
Reno: Osborne & Dermody, Inc., 253-255 Chestnut St.
Portland: Appl. Wholesalers of Oregon, 600 N. W. 14th Ave.
Seattle: Radio Television & Appl. Inc., 510 Westlake N.
Phoenix: Momsen-Dunnegan-Ryan Co., 11 E. Buchanan St.
Spokane: Inland Empire Wholesalers, 110 S. Wall St.
Salt Lake City: Strevell-Paterson Hdwe. Co., 126 S. W. Temple St.
Billings: Parker Montana Co., Box 1173
Denver: Walter Siagle & Co., 725 S. Broadway
Albuquerque: Momsen-Dunnegan-Ryan Co., 1501 N. 12th St.

PIONEER ELECTRONICS CORP., 2232 Broadway, Santa Monica, Calif.
(Pioneer Glow Control picture tubes)

PORTABLE ELEVATOR MFG. CO., Refrig. Division, Bloomington, Ill.

PRECISION SPECIALTIES, 210 N. Western Ave., Los Angeles 4, Calif.

PREMIER VACUUM CLEANER Division, Appliance and Merchandise Dept., General Electric Co., 1285 Boston Ave., Bridgeport 2, Conn.
(See General Electric Co.)

PRESTELINE HOME APPLIANCES, 666 N. Lake Shore Drive, Chicago 11, Ill. (See Leeson Steel Products, Inc.)

PREVORE ELEC. MFG. CORP., Fulton St. at Clinton Ave., Brooklyn 16, N. Y.
Factory service only.

PRIME MFG. CO., 1669 S. First St., Milwaukee, Wis.
Service Stations:
San Francisco: E. B. Cook Co., 1063 Howard St.
Portland: Cascade Supply Co., 208 S.E. Hawthorne Blvd.

PROCTOR ELECTRIC CO., 322 W. Hunting Park Ave., Philadelphia 40, Pa.
(Proctor automatic electrical appl.)
Phoenix: Vinson-Carter Elec. Co., 325 4th St.
Tucson: Grabe Electric Co., 26 E. Congress St.
Bakersfield, Calif.: Urner's, 2006 Chester Ave.
Fresno: L. F. Ballmer Service, 2430 Stanislaus
Long Beach: Calif. Elec. Serv., 1407 E. 4th St.
Los Angeles: Elec'l. Appl. Service, 726 W. Venice Blvd.; Calif. Elec. Service Sta., 832 S. Alvarado
Oakland: Paul Morrison, 201 12th St. (12)
Sacramento: Lam-Co. Electric, 1415 21st St. (14)
San Diego: J. F. Zwiener Elec. Co., 1241 1st Ave.; Electric Appl. Service, 726 W. Venice Blvd.
San Francisco: (5); Elec'l Appl. Service Corp., 444 6th St.
Santa Barbara: Thorne Electric Co., 933 Anacapa
Stockton: The Electric Shop, 41 N. American St.
Colorado Springs: Modern Service Co., 12 E. Colorado Ave.
Denver: Western Appl. & Elec. Co., 1159 Stout St.
Billings: Billings Elec. Supply Co., 208 N. 29th St.
Butte: Radio Eng. & Service, 219 W. Park St.
El Paso: Wayne M. Tinkler & Co., 813 Cedar St.
Ogden: Coray Clock & Appl. Service, 2420 Grant Ave.
Salt Lake City: Appliance Service Center, 57 Richards St.
Seattle: Howell's Electric, 522 Union St.
Reno: Moltzen & Fitch Elec. Co., 275 S. Virginia St.
Eugene: Leach Service Co., 127 S. 6th St.
Klamath Falls: C & S Elec. Co. 1070 Willamette St.
Medford: Trowbridge & Flynn Elec. Co., 214 W. Main St.
Portland: Bressie Elec. Co., 909 S. W. 5th Ave.
Spokane: Spokane Appl. Repair, S. 173 Wall St.
Tacoma: Ajax Elec. Co., 746 Market St.
San Jose: D. & S. Repair Service, 402 W. Santa Clara St.

PRYNE & CO. INC., 140 N. Towne Ave., Pomona, Calif.

RADIA HEATER & FANS
(See Shepler Mfg. Co.)

RADIANT LAMP CORP., 300 Jelliff Ave., Newark 8, N. J.
Western Office:
2665 Hollyridge Drive, Hollywood, Calif.

RADIO CORP. OF AMERICA;
RCA Victor Div., Camden, N. J.
(Radio, television, tubes, records, electronics, Victrolas)
Service Stations:
Hollywood: J. T. McAllister, 911 N. Orange Drive (38)
Lynwood: W. K. Charles, 11146 Atlantic Ave.
Oakland: F. R. Carpenter, 1401 Middleharbor Road (12)
San Diego: W. E. Thackrey, 2727 Adams Ave. (4)
San Francisco: R. E. Bomeisler, 925 Harrison St. (7)
Salt Lake City: J. K. Stewart, 3053 S. State St. (6)
Seatle: L. E. Wirth, 2727 Second Ave. (1)

RAINIER ELECTRIC OVEN & ENG. CORP., 1419 Jackson St., Seattle 44, Wash.
(Electric, gas and oil ovens)
Factory service.

RAVENNA METAL PRODUCTS CORP., 6518 Ravenna Ave., Seattle 5, Wash.
(Electro Jet heating systems and Electro panels)
Service Stations:
Seattle: Bean Elec. Co., 1014 1st Ave. S.
Spokane: Lumberman's Supply Corp., E. 3002 Mission Ave.
Portland: Elec'l Distr. Inc., 526 N. W. 10th Ave.

RAY LITE GLASS CO., 3172 Santa Ana St., South Gate, Calif.

RECO FOOD MIXERS
(See Reynolds Elec. Co.)

RECORD-O-VOX INC., 825 W. Pico Blvd., Los Angeles 15, Calif.

RECORDIO, RECORDIA, RECORDIO POINTS (See Wilcox-Gay Corp.)

RED SEAL APPLIANCE CO.
(See Samson United Corp.)

RED SPOT ELEC. CO., 7405 S. Tacoma Way, Tacoma 9, Wash.

REGINA CORP., Rahway, N. J.
(Floor polishers)
Representative:
Los Angeles: J. A. Scharfe, 520 W. 7th St. (14)

RELIANCE AUTOMATIC LIGHTING CO., 1927 Mead St., Racine, Wis.

REMINGTON RAND INC., Electric Shaver Division, 60 S. Main St., Bridgeport 2, Conn.
(Remington Rand shaver)
Remington Rand service stations:
San Francisco: 41 First St.
Oakland: 2035 Franklin St.
Fresno: 1242 Van Ness Ave.
Sacramento: 1107 J St.
Los Angeles: 711 S. Olive St.
Hollywood: 1655 N. Cherokee Ave.
San Diego: 926 C St.
Long Beach: 228 E. First St. (2)
San Jose: 389 W. Santa Clara Ave.
Eugene: 610 Willamette St.
Portland: 325 S. W. Pine St.
Seattle: 1910 Fourth Ave.
Tacoma: 1003 A St.
Spokane: N. 106 Monroe St.
Boise: 609 Bannock St.
Salt Lake City: 177 E. 2nd South St.
Tucson: 191 E. Broadway (Agt.)
Phoenix: 128 S. Central Ave. (Agt.)
Albuquerque: 1000 N. 2nd St.
Denver: 620 W. Colfax Ave.
Butte: 64 E. Broadway.
Ogden: 241 24th St.

REMLER CO. LTD., 2101 Bryant St., San Francisco (10), Calif.

REVELATION CO., Div. of Interstate, 2250 E. Imperial Highway, El Segundo, Calif.

REVERE CLOCK CO., McMillan and Dover, Cincinnati, Ohio.
(Mantel chime clocks, tubular chiming floor clocks)
Service Stations:
Sacramento: Lam-Co Electric Co., 1415 21st St.
San Francisco: Wm. Herbst & Co., 209 Post at Grant; M. C. Ross Elec. Co., 190 Gough St.
Los Angeles: Calif. Clockmakers Guild, 797514 Melrose.
San Diego: The Clock Shop, 518 Granger Bldg.
Portland: O. B. Swearingen, 316 Panama Bldg.
Seattle: Clock Shop, 325 Green Bldg.
Salt Lake City: Time & Instrument Co., 57 Richards St.
Phoenix: Smith's Clock Shop, 1512 N. 7th Ave.
Denver: Midwest Electric Service Co., 1124-26 Santa Fe Drive; Mint Radio Service, 339 13th St.
Fresno: The Clock Shop, 1418 Fulton St.
Spokane: Moon's Clock Service, 410 Mohawk Bldg.

REXAIR DIVISION, MARTIN-PARRY CORP., P.O. Box 964, Toledo, Ohio
(Rexair cleaner and conditioner)
All Rexair branch offices handle service

REYNOLDS ELECTRIC CO., 3000 River Rd., River Grove, Ill.
(Reco food mixers, vegetable peelers, choppers, slicers, air circulators, flasher controls, fractional hp motors)
Factory service only.

RITTENHOUSE CO. INC., THE, Honeoye Falls, N. Y.
(Electric door chimes, transformers)
Service Stations:
Los Angeles: Pryne & Co. Inc., 1561 W. Venice Blvd.
San Francisco: McMillen-Stanley Co., 778 Natoma St. (3)

RIVAL MFG. CO., 2200 Oak St., Kansas City 8, Mo.
(Steam-O-Matic iron)
Distributors:
Los Angeles: Electrical Appl. Service Corp., 726 W. Venice Blvd. (15)
Sacramento: Lameo Electric, 1415 21st St.
San Francisco: Electrical Appl. Service Co., 1434 Howard St.
Denver: Midwest Elec. Service, 1124 Santa Fe Drive
Portland: W. L. May Co., 213 N. W. Park Ave.
Salt Lake City: Appliance Service Center, 57 Richards St. (1)
Seattle: City Electric & Fixture Co., 2014 3rd Ave.

ROBERTS & MANDER CORP., 237 Jacksonville Rd., Hatboro, Pa.
(Quality gas and electric ranges, steel kitchen cabinets and sinks)
Representatives:
San Francisco: F. S. Lodge, 1355 Market St. (3)
Los Angeles: M. F. Boss, 2011 E. 25th St. (11)

ROPER, GEO. D., CORP., Rockford, Ill.

ROTAREX (See Apex Rotarex Corp.)

ROTISS-O-MAT CORP., 10-02 44th Drive, Long Island City, N. Y.

ROYAL VACUUM CLEANER CO., 540 E. 105th St., Cleveland, Ohio. (Royal Vacuum cleaners).

ROZETT, I. R. and ASSOCIATES, 1405A Merchandise Mart, Chicago 54, Ill.

RUSTIC CRAFTS CO., INC., 29 Humphrey St., Englewood, N. J.
Representative:
San Francisco: A. C. Maryon Co., Market at 10th St.
Billings: P. P. Sparling, 204 Ave. F.

RUTENBER ELECTRIC CO., Marion, Ind.
(Marion household servants, elec. heating & cooking appl., elec. ranges)
Distributors:
Portland: Foreman Distributing Co. of Portland, 110 S. E. Alder St.
Seattle: Globe Elec. Co., 307 1st Ave. S.
Spokane: Electric Center, W. 508 2nd Ave.

RUUD MFG. CO., 2934 Smallman, Pittsburgh (1), Pa.; 3320 Leonis Blvd., Los Angeles 11, Calif.
Distributors:
San Francisco: H. R. Basford Co., 235 15th St.
Portland: Alvin R. Bravender, 125 N. W. 5th St. (9)
Kansas City: Elmer W. Cone Co., 609 E. 11th St. (6) (for Utah, Colo., Wyo.)
Fort Worth: R. E. Cady, 801 T & P Term. Whse. Bldg., 70 Jennings Ave. (for Texas, N. M.)

SAFE-FLEX
(See Samson United Corp.)

SAFETY ELEC. CO., 53 W. Jackson Blvd., Chicago 4, Ill.

ST. CLAIR ELEC. PROD. CO., P.O. Box 60, St. Clair, Mich.

SAMSON UNITED CORP., — Red Seal Appl. Corp., 1700 University Ave., Rochester 10, N. Y.
(Samson, Red Seal, Safe-Flex)
Service Stations:
Denver: Midwest Elec. Wiring Co., 1124-26 Santa Fe Drive
Salt Lake City: Time & Instrument Co., 57 Richards St.

Los Angeles. Authorized Parts & Service Co., 1432 W. Pico Blvd., (15).
San Diego: Elec'l. Appl. Service Corp., 362 17th St.
San Francisco: P & D Appliance, 1414 34th Ave.
Seattle: J. M. Hooper Elec. Co., 222 Marion St.
Portland: Bressie Elec. Co., 909 S. W. 5th.

SAVAGE ARMS CORP., Utica, N. Y.
Service Stations:
Denver: Ray Jones Washing Machine Parts & Repair Co. (9)

SAVE ELEC. CORP., 615 Front St., Toledo 5, Ohio.

SCHICK SERVICE INC., 46 Garden St., Stamford, Conn.
Service Stations:
Long Beach: 110 Pine Ave.
Los Angeles: 448 S. Spring St. (13)
Oakland: 204-205 Broadway Bldg., 1419 Broadway (12)
San Francisco: Monadnock Bldg. Arcade No. 5
Portland: 1134 American Bank Bldg., 621 S. W. Morrison St. (5)
Salt Lake City: Third South & Main
Seattle: 328 Republic Bldg., 3rd & Pike St., (1).
San Diego: 534 Bank of America Bldg., 625 Broadway.
Denver: 220-222 Commonwealth Bldg., 728 15th St. (2)

SCOTT & FETZER CO., 1920 W. 114th St., Cleveland 2, Ohio
(Kirby home renovation system)
District office: Westerners, Inc., 201 Medical Arts Bldg., Vancouver, Wash. Henry Reznichek, president.
Branch office: Westerners, Inc., 420 N. Broadway, Portland 12, Ore. Henry Reznichek, president.
Parts office: Kirby Parts Corp., 420 N. Broadway, Portland 12, Ore.
Distributors:
Phoenix: Kirby Sanitation System, 1610 N. 7th St.
Alhambra: Kirby Vacuum Cleaner Co., 736 S. Garfield Ave.
Bakersfield: Kirby Co. of Bakersfield, 821 18th St.
Chico: Kirby Co. of Chico, 1810 Esplanade Drive
Compton: Kirby A-1 Co. of Los Angeles, 2610 E. Olive St.
Fresno: Kirby Co. of Fresno, 2304 Tulare St.
Long Beach: Kirby Co. of Calif., 2194 Lakewood Blvd. (15)
Los Angeles: Taylor Corp., 1206 Maple Ave. (15)
Oakland: Kirby Co., 583 16th St. (12)
Pasadena: Kirby Co. of Pasadena, 25 N. Santa Anita Ave. (8)
Redding: Kirby Co. of Redding, 1046 Locust St.
Redwood City: Kirby Co. of Central Calif., 251 El Camino Real
Sacramento: Kirby Co. of Sacramento, 1932 Stockton Blvd.
San Bernardino: Kirby Vac. Cleaner Co., 1251 E St.
San Diego: Kirby Co. of W. San Diego County, 941 C St. (1)
San Jose: Kirby Co. of San Jose, 492 N. 13th St.
San Luis Obispo: Kirby Co., 1226 Osos St.
Santa Rosa: Kirby Co. of Santa Rosa, 938 W. College Ave.
Stockton: Central Valley Kirby Co., 831 E. Main St.
Ventura: Kirby Co., 371 N. Ventura Ave.
Walnut Creek: Kirby Co. of Walnut Creek, 2009 Mt. Diablo Blvd.
Denver: Kirby Co. of Denver, 3722 W. Colfax Ave. (4)
Greeley: Kirby Co., 625 8th Ave.
Pueblo: Kirby Co. of So. Colo., 410 W. 24th St.
Bremerton: Kirby Co. of Bremerton, 704 Ninth St.
Seattle: Kirby Co. of Seattle, 1021 Stewart St.
Spokane: Kirby Co. of Spokane, 3128 E. Sprague.
Tacoma: Kirby Co. of Tacoma, 3521 6th Ave.

Yakima: Kirby Co. of Central Wash., 904½ E. Yakima Ave., Box 43
Boise: Kirby Co., 302 Capitol Blvd.
Idaho Falls: Kirby Co. of E. Idaho, 240 S. Water Ave.
Lewiston: Kirby Co., 1604 G St., P.O. Box 314
Twin Falls: Kirby Co. of Magic Valley, 312 8th Ave. E.
Billings: Kirby Co.—Midland Empire, 2926 2nd Ave. N.
Great Falls: Kirby Co., 515 First Ave. N.
Missoula: Kirby Dist. Co. of Missoula, Box 823
Reno: Kirby Co. of Nevada, 1635 Phillips St.
Albuquerque: Kirby Co. of N.M., 4517 E. Central
Salt Lake City: Kirby Co. of Utah, 1639 S. State St. (15)
Casper: Kirby Co. of Central Wyo., 862 S. Spruce
Cheyenne: Kirby Co. of E. Wyo., 607 E. 16th St.
Honolulu: Kirby Co. Ltd., 2738 Kaimuki Ave. (15)
Portland: Kirby Co., 2702 N. E. Broadway (13)

SCOVILL MFG. CO.
(See Hamilton Beach Co.)

SEEGER REFRIGERATION CO., St. Paul 6, Minn.; Evansville 7, Ind.
Contract producers of Nat'l. brands including Coldspot Electric refrigerator.
(Coldspot Electric Refrigerator)
Serviced through Sears, Roebuck & Co. stores exclusively

SENTINEL RADIO CORP., Evanston, Ill.
(Sentinel radios and television sets)
Distributors:
Los Angeles: E. J. Jordan & Co., 117 N. Robertson
San Francisco: Steinau-Glaser Co., 324 Mission St.
Denver: Interstate Radio & Supply Co., 1639 Tremont Place; Hassco Inc., 1745-61 Wazee St.
Portland: F. B. Connelly Co. of Oregon, 905 N. W. 12th St.
Seattle: Washington Distributors, 115-117 Madisan St. (4)
Pocatello: Billmeyer's, 240 S. Arthur St.
Billings: Montana Elec. Supply Co., P.O. Box 1323.
Albuquerque: J. Korber & Co., Dept. No. 2

SERVEL INC., Evansville, Ind., electric refrigerator division.
Branch office: 431 Colyton St., Los Angeles 13, Calif.—Carl L. Olin, Western States manufacturer's agent.
Parts distributors:
Seattle: Refrigeration Eng. Corp., 2120 2nd Ave. (1)
Spokane: E. S. Matthews, 151 So. Post St.
Denver: Robbins Fixture Co., 937 Santa Fe Drive.
Salt Lake City: N. O. Nelson Co. 380 W. 2nd South (1)
San Bernardino: Valley Refrigeration Supply Co.
San Francisco: Marine Elec. Co., 195 Fremont St.
Sacramento: W. H. Bigler Co., 724 12th St. (14)
Fresno: (sub-distributor) Conditioned Air & Refrig. Co.
Reno: (sub. distributor) Gardner Refrig. Supply Co.
Los Angeles: Utility Refrig. Dist., 4621 W. Washington.
San Diego: Mack's Refrig. Co., 4206 Fairmont Blvd.
Phoenix: Arizona Refrig. Supplies, 231 S. Central Ave.
Tucson: Ariz. Refrig. Supply Co., 316 E. 6th St.
El Paso: M & M Refrigeration & Electric Supply Co., 2505 Texas St.
Albuquerque: Harmon Corp., 2220 N. First St.
Glasgow, Mont.: Stuart Refrig. Sales, 341 4th St. So.

SETH THOMAS CLOCKS, Thomaston, Conn.
San Francisco: Schloss Mfg. Co., 540 Mission St. (5)

SHAVEX DIVISION, Electronic Specialty Co., 3456 Glendale Blvd., Los Angeles 39, Calif.
(Electric inverter for electric shavers)

SHEPLER MFG. CO., 1312 Sheffield St., 33, Pittsburgh, Pa.
(Radio heaters and fans)
Los Angeles: Elec. Lighting Supply Co., 216 W. 3rd St. (13).
Factory service for parts.

SHETLAND CO. INC., 69 Bennett St., Lynn, Mass.
(Shetland electric polisher, Twin-brush polisher and accessory kit)
Service Stations:
Los Angeles: Calif. Electric Service Station, 832 S. Alvarado St.
Sacramento: Lameo Electric, 1415 21st St.
San Francisco: Calif. Electric Service Station, 168 First St.
Butte: Radio Eng. & Service, 219 W. Park St.
Portland: Morrison Electric Co., 1206 S. W. Washington
Seattle: J. M. Hooper Electric Co., 222 Marion St.

SIGHT LIGHT CORP., Deep River, Conn.

SIGNAL ELECTRIC MFG. CO., Menominee, Mich.
(Electric fans, pedestal fans, electric drills)
Factory service only.

SILENT SIOUX OIL BURNER CORP., Orange City, Iowa.

SILEX CO., Hartford 2, Conn.
(Silex coffeemaking equipment, steam irons)
Service Stations:
Seattle: Appliance Parts & Service Co., 216 Stewart St.
Spokane: Appliance Parts & Service Co., 609 W. Trent Ave.
Tacoma: Ajax Electric, 747 Fawcett Ave.
El Paso: Wayne M. Tinkler & Co., 813 Cedar at Five Points
Denver: Midwest Elec. Service Co., 1126 Santa Fe Drive.
Los Angeles: Calif. Elec. Co. 832 S. Alvarado St.
San Diego: J. F. Zweiner Co., 1242 First Ave.
San Francisco: Calif. Elec. Service Inc., 168 First St.
Portland: Morrison Elec. Service Co., 1206 S. W. Washington Ave. (5)
Salt Lake City: Enos Elec. Co., 1173 S. 2nd W.

SIMPLEX IRONER (See Speed Queen Corp., ironer division)

SINGER SEWING MACHINE CO., 149 Broadway, New York, N.Y. Singer Household Iron Serviced and repaired by any local Singer Sewing Center.

SMITH, A. O., CORP., 3533 N. 27th St., Milwaukee 1, Wis.

SMITHway Service Division:
West Coast branch: 1635 N. Spring St., Los Angeles, Calif.
Southwest branch: 2820 Canton Rd., Dallas, Texas
Central branch and Central Service Div. Headquarters: 3812 Chicago Ave., Chicago (Serves Mexico and Colorado)
Domestic Water Heater Sales Office: 5715 Smithway St., Los Angeles 2, Calif.

SMITHway water heater distributors:
Phoenix: Arizona Hardware Co., First and Jackson St.
Sacramento: Dalco Appliance Co., 6th and Que St.
San Francisco: Dalco Appliance Co., 7th and Townsend St.
Oakland: Dallman Co., 2103 E. 12th St.
Fresno: Dallman Co., 414 P St.
Denver: Peerless Colorado Co., 785 So. Broadway; Appliance Distributors, Inc., 211 Wazee St.
Great Falls: Great Falls Paper Co., P. O. Drawer 271
Roswell, N. M.: Sacra Bros. Co., Box 1294

Cheyenne: Ranchers Gas & Supply Co., 23rd & Dillion Sts.
Worland, Wyo.: Pure Gas Service Co.
Los Angeles: Mell O. Haldeman Corp., 2220 E. 37th St.
Billings: Geo. Steele & Co., 2006 1st Ave.
Butte: Geo. Steele & Co., 126 W. Broadway.
Missoula: Propane Co., P. O. Box 1162
Salt Lake City: Walter B. Lloyd Co., 51 S. 2nd St., W.
Seattle: Love Electric Co., 318 Westlake North
Portland: Lou Johnson Co., Inc., 422 N.W. 8th St.
Spokane: Prudential Distributors, Inc., 131 Stevens
Honolulu: Pacific Refiners Ltd., 1135 Kona St.

SMITHway Motor Service Stations:
Anchorage, Alaska: Alaska Elec. Equipment Co., Box 42
Phoenix: DeBerge Elec., 550 W. Washington St.
Tempe: Tempe Appl. & Elec. Co., 396-397 Mill Ave.
Tucson: Miller Motor Rewinding Shop, 2701 E. Seneca
Bakersfield: Industrial Elec. Motor Service, 418 Baker St.
El Centro: Joe Bush Elec. Co., 1300 Imperial Ave.
Eureka: Senn Electric, 1801 Fairfield
Fresno: Electric Motor Shop, 1926 Kern St.
Manteca: G. F. Reibin, 213 W. Yosemite Ave.
Marysville: Kinney Electric, 700 5th St.
Oakland: Scott-Buttner Elec. Co., 896 W. Grand
Redding: Redding Industrial Elec., Highway 99 South
N. Sacramento: Stone Elec. Motor Service, 1442 Del Paso Blvd.
Salinas: Quality Elec. Co., P.O. Box 1428, 211 E. Market St.
San Diego: Calif. Elec. Works, 424 8th Ave.
San Jose: Roy M. Butcher, 510 W. San Fernando St. (10)
San Francisco: O'Keeffe's Inc., 55 11th St. (3)
Stockton: Albert Celli, 1630 N. Wilson St.
Tracy: Hart Electric Shop, 243 E. Highland
Tulare: Turnipseed Elec. Service Inc., 340 E. Inyo St.
Visalia: Langdon Elec. Shop, 410 E. Main St.
Colorado Springs: Kistler Elec. Co., 13 S. Cascade Ave.
Denver: Baker Elec. Co., 1842 Lawrence St.; Conn Elec. Service, 1651 Blake St.
Fort Collins: J. A. Lawrence Elec. Mtrs., 241 Pine St.
Grand Junction: Williams Elec. Motor Service, 721 S. 7th St.
Lamar: Sutphin's Elec. Motor Works, 501 N. 5th.
Pueblo: Johnson Elec. Co., 324 S. Union
Boise: Missman Elec. Co., 2304 N. 26th St.
Idaho Falls: Rossiter Elec. Works
Pocatello: C-L Elec. Co., 410 S. Main St.
Twin Falls: Electric Service Co., 254 2nd Ave., E.
Billings: Lockrem Elec. Co., 1710 1st Ave., N.
Butte: Johnston Battery Station, 119 S. Montana St.
Great Falls: Electric Motor Service Co., 109 2nd St., S.
Helena: Houston Elec. Co.
Kalispell: Hollingsworth Elec. Co.
Missoula: Industrial Elec. Co., 123 W. Alder St.
Reno: Brown, Milbery, Inc., 322 Sierra St.
Albuquerque: Electric Motor Co., 1801 E. Campus Blvd.
Eugene: Keith's Elec. Motor Service, 678 Olive St.
Medford: Gage Elec. Motor Service, Inc., 112 N. Front St.
Portland: L. A. Walker Elec. Works, 206 N.W. 10th Ave.
Roseburg: Al's Elec. Motor Shop, P.O. Box 642
Salt Lake City: Electric Motor & Supply Co., 351 W. 4th St.
Seattle: Seattle Elec. Works, 118 Fifth Ave. N. (9)

Spokane: Nixon-Kimmel Co., 167 So. Wall St. (8)
Walla Walla: Berry Elec. Co., 103 3rd Ave., S.
Wenatchee: Electric Motor Service, 325 S. Wenatchee Ave.
Yakima: Cooper Elec. Motor Service, 205 S. 4th Ave.
Casper: Electric Service Co.
Cheyenne: Electric Motor Co., 1710 O'Neil

SMITH, F. A. MFG. CO. INC., (See FASCO Industries Inc.)

SON-CHIEF ELECTRICS INC., Winsted, Conn.
(Son-Chief and Magic Maid appliances)
Los Angeles: Calif. Elec. Service Station, 932 S. Alvarado St.
Seattle: J. M. Hooper Elec. Co., 222 Marion St.
Portland: Morrison Elec. Co., S. W. Washington at 13th.
San Francisco: P. & D. Appliance, 1414-34th Ave.
Denver: Midwest Elec. Service Co., 1124-26 Santa Fe Drive.
Amarillo: Panhandle Appl. Service, 407 N. Fillmore.

SOUTHERN HEATER CO., P.O. Box 629, Compton, Calif.

SPARTON RADIO-TELEVISION (Div. of the Sparks-Withington Co.) Jackson, Mich.
Service Stations:
Phoenix: Frank M. Siegmund Co., P. O. Box 162
Long Beach: Allied Electronic Co., 1411 Magnolia Ave. (13); Bill Brittle, 4444 Faculty
Los Angeles: Michael G. DuBrow, 1421 S. Flower St. (15)
Pomona: Reliable Television Service, 340 W. 5th Ave.
Riverside: Associated Television Service, 3305 7th St.
San Francisco: Carroll's, 1635 Market St.; K. W. Curtiss Co., 1355 Market St.
Denver: Eric M. Shedine, 1975 S. Franklin St.
Albuquerque: Crown Engineering, 420 N. 4th St.
Salt Lake City: Kanell-Solt, 703 S. Second W.; E. M. Royle, 246 S. Main St.

SPEED QUEEN CORP., Ironer division, Algonquin, Ill.—Formerly Barlow & Seelig Mfg. Co.
(Simplex ironers)
Service stations:
Los Angeles: Leo J. Meyberg, 2027 S. Figueroa St. (7); Elec. Appl. Service, 726 W. Venice Blvd. (15); Washing Machine Parts Co., 1241 S. Hope St. (15).
San Francisco: Leo J. Meyberg, 33 Gough St.; Washing Machine Parts Co., 1375 Mission St.
San Diego: Washing Machine Parts Co., 1743 India St. (1)
Portland: W. L. May Co., 215 N. W. Park Ave. (9); Lou Johnson Co., 422 N. W. 8th Ave. (9)
Seattle: Appl. Parts & Service, 214 Stewart St. (1)
Spokane: Taylor Distributing Co., E. 206 Augusta
Salt Lake City: Salt Lake Hardware Co., 105 N. 3rd St. (9)
Denver: McCollum-Law Corp., E. 48th Ave. at Colorado Blvd.; Morey Mercantile Co., P. O. Box 5150, Terminal Annex
Billings: Taylor Dist. Co., 4148 S. 1st Ave.

SPEED QUEEN CORP., Ripon, Wis.—Formerly Barlow & Selig Mfg. Co. *(Speed Queen Washers, Ironers and Dryers)*
Service Stations:
Phoenix: Gouch Industries Inc., 917 W. Madison St.
Long Beach: Home Service Co., 2100 E. 4th St. (14)
Los Angeles: Electrical Appl. Service Corp., 726 W. Venice Blvd. (15); Washing Machine Parts Co., 1241 S. Hope St. (15); Gough Industries Inc., Box 2768 Terminal Annex.
Sacramento: Dallman Co., 6th & Que Sts.; Al Bedard's Parts Supply, 1626 N. C St. (15)
San Diego: Gough Industries Inc., 3255 5th Ave.; Washing Machine Parts Co., 1743 India St. (1); Electrical Appl. Service Corp.
San Francisco: Electrical Appl. Service Corp., 236 Harriet St. (3); Washing Machine Parts Co., 1375 Mission St. (3) Dallman Co., 7th & Townsend Sts.
Portland: Harper-Meggee Inc., N. W. 15th at Irving; W. L. May Co., 215 N. W. Park Ave.
Seattle: Appliance Parts & Service Co., 216 Stewart St. (1); Harper-Meggee Inc., 960 Republican
Spokane: Harper-Meggee Inc., N. 734 Division St.; Appliance Parts & Service Co., 609 W. Trent Ave. (8)
Ogden: Geo. A. Lowe Co.
Denver: Morey Mercantile Co., Box 5150, Terminal Annex (17) Ray Jones Washing Machine & Repair Parts Co., 376 So. Broadway (9)
Boise: Afton Lemp Electric Co., 415 So. 9th St.
Billings: Billings Elec. Supply, 214 W. 30th St.
Great Falls: Service Center Co., 15 7th St. S.

SPEEDWAY INC., 1834 So. 52nd Ave., Cicero, 50, Ill.
Parts distributors:
Oakland: Automotive Equipment Service, 293 26th St. (12)
Los Angeles: Fred G. Littlejohn, 4511 Melrose Ave. (29)

SPERTI FARADAY INC., Adrian, Mich.
(Bells, buzzers, horns, chimes, signaling devices and paging, annunciator and fire alarm systems for hospitals, schools, stores and industry)
Western Representatives:
San Francisco: Chas. A. Meier, 1473 Harrison St.
Los Angeles: Robert M. Schow, 1709 W. 8th St.
Salt Lake City: Leonard Slusser, 318 Dooly Bldg.
Denver: Gaer, Florance & Assoc., P.O. Box 3096, E. Colfax Station
Phoenix: Wm. Benndorf Co., P.O. Box 1926
Seattle: W. W. Wheat & Son, 560 First Ave S.

SPRINGACTO IRON CORDS (See Wange Mfg. Co.)

STANDARD ELECTRIC TIME CO., THE, 89 Logan, Springfield 2, Mass.
(Standard clock and program systems, hospital signal systems, precision timers, chrono-tachometers, laboratory panels)
Service Stations:
Los Angeles: 106 W. 3rd St.
San Francisco: 16 Beale St.
Denver: 1925 Blake St.
Salt Lake City: 264 E. First South St.
Seattle: 709 New World Life Bldg.
Honolulu: 730 Ala Moana Blvd.

STAR MFG. CO. Div. of Hercules Steel Products Corp., 6300 St. Louis Ave., St. Louis 20, Mo.
(electric appliances)
Parts available through dealers and the following service stations:
San Francisco: P & D Appl. Co., 1414 34th Ave.
Los Angeles: Sterling Service Co., 950 Flower St. (15)
Portland: Bressie Elec. Co., 900 So. 5th St.

STEAM ELEC. MFG. CO., 3456 S. Grand Ave., St. Louis 18, Mo.

STEAM-O-MATIC, Waverly Products, Inc., 2200 Oak St., Kansas City, Mo. (See Rival Mfg. Co.)

STEIGER & KERR STOVE FOUNDRY CO., Irvington, Calif.

STERLING APPLIANCES (See Chicago Electric Mfg. Co.)

STERN-BROWN INC., 42-24 Orchard St., Long Island City, N. Y.
(Superstar, Du-All broilers, Thermo Mastergrill and waffle iron, Toastrite, Twin Snackette, Broil-O-Grill, Rotisserie & Broiler Combination)
San Francisco: Appliance Service Factors, 123 Steuart St.
Los Angeles: Calif. Elec. Service Inc., 832 S. Alvarado St.
Portland: Arrow Elec. Co., 833 S.W. Front Ave. (14)

STERRO WASHERS (See Vidrio Products Co.)

STEWART-WARNER ELECTRIC, Div. Stewart-Warner Corp., 1300 N. Kostner Ave., Chicago 51, Ill. (See Admiral Corp. for service facilities and parts for Stewart-Warner refrigerators and electric ranges.)
(Radios, phonographs, television)
Service Stations:
(For television and radios)
Escandido: Lewis Radio & Television, 158 W. Ohio
Los Angeles: Los Angeles Radio & Sound Maintenance, 3304 W. Washington St.; Bob Jackson Radio Co., 5177 W. Pico Blvd.; Henning Television & Radio, 1523 Riverside Drive; Nadal's Radio Service, 6114 Crenshaw Blvd.
San Bernardino: Wagoner's Radio & Television Service, 633 2nd St.; Deardorff's Radio & TV, 277 E. Baseline; Clark's Radio & TV, 840 E. Baseline; Jarvis Radio & Television, 4137 N. F St.
San Diego: Scotty's Television Service, 2302 30th St.; United Radio Service, 940 University Ave.
San Francisco: Service Radio Wholesale, 1357 Post St.
Santa Ana: Menzie-Tele-Sound, 401 Fruit St.; Kohlenberger Radio Sales & Service, 115 E. 2nd St.
Pomona: Joe's Radio Service, 524 W. 5th Ave.
Glendale: Smith's Radio & Television Service, 414 N. Glendale Ave.
Chino: Chino Radio Service, 413 So. 6th St.
Bell: Ra-Tel Eng. Co., 4321 E. Gage Ave.
Arlington: Legion Radio & TV Service, 10557 Magnolia Ave.
Denver: Austin & Son, 1819 Wazee St.
Butte: Treasure State Gas & Electric Co., 827 Montana St.
Albuquerque: Appliance Laboratories, 417½ W. Fruit Ave.; Ladd's Radio & TV Service, 305 S. Broadway
Portland: Pacific Stat. Co., 415 S.W. 2nd Ave.
Salem: Ralph Johnson Appl. Co.
Salt Lake City: Airwave Radio & Television, 338 W. 1st. S.
Renton: Boydstons
Seattle: Humphrey Radio Serv., 504 E. Pine St.; VDO Television & Elec. Serv. Co., 10115 Aurora Ave.
Spokane: True's Dist. Co., 521 E. Sprague
Tacoma: Northwest Radio, Inc., 907 S. Tacoma Ave.

STONCO ELECTRIC PRODUCTS CO., 489 Henry St., Elizabeth 4, N. J.
(Lights and lighting fixtures)
Western Warehouses:
Seattle: 1016 First Ave. So.
Portland: 830 S.E. Alder St.
Los Angeles: 811 E. 14th Pl.
Denver: 1018 Lawrence St.

STRAIT & RICHARDS INC., 23 Selvage St., Newark 8, N. J.
(Glolog)
Direct from factory.

STROMBERG-CARLSON CO., 100 Carlson Road, Rochester 3, N. Y.
Distributors:
Los Angeles: Radio Television & Supply Co. Inc., 341 W. 18th St. (15) (For Calif. and Nev.)
San Francisco: Frank Edwards Co., 382 Sixth St. (3)
Denver: Hassco Inc., 1745 Wazee St. (For Colo., N.M., Wyo.); D. H. Sluman & Co., 130 W. 12th Ave. (For Ariz.)
Salt Lake City: Standard Supply Co., 531 S. State St. (For Idaho, Nev., Utah)
Spokane: Spokane Paper & Stat. Co., 152 S. Jefferson St. (8) (For Idaho, Mont., Ore., Wash.)

STROMBERG TIME CORP., 100 Lafayette St., New York (13), N. Y.
Dealers:
(carry supplies and repair parts)
Los Angeles: D. J. Burton, Stromberg Time Corp., 1817 Third Ave. (19)
San Francisco: R. E. Peters, 420 Market St., Room 432 (11)
Seattle: Eicher & Co., 263 Coleman Bldg. (Covers Spokane also)
Ogden: G. W. Goddard Co., 24th St. and Wall Ave.
Denver: Krippner & Polley, 1166 Elati St. (4)

SUNBEAM CORP. (formerly Chicago Flexible Shaft Co.), 5600 Roosevelt Rd., Chicago 50, Ill.
(electric appl., lawn sprinklers, industrial furnaces)
Service Stations:
Tacoma: Ajax Elec. Co., 747 Fawcett Ave.
San Francisco: Will M. Aronson, 666 Howard St.
Seattle: Howell's Elec. & Supply Co., 522 Union St. (1)
Spokane: Appl. Parts & Service Co., 609 W. Trent Ave.
Portland: W. L. May Co., 215 N. W. Park Ave. (9)
Denver: Midwest Elec. Co., 1124 Santa Fe Ave.
Los Angeles: Sunbeam Appl. Service Co., 737 S. Hope St. (14)
Salt Lake City: Sunbeam Corp., 46 W. 4th South St.
Phoenix: Vinson- Carter Electric Co., 325 N. 4th St.
Albuquerque: Thompson Music Co., 315 N. 3rd St.
Honolulu: Lewers & Cooke Ltd., Sunbeam Serv. Dept., P.O. Box 2930

SUNBEAM ELEC. MFG. CO., Evansville, Ind.
(See Seegar Refrg. Co.)

SUN-KRAFT INC., 215 W. Superior St., Chicago 10, Ill.

SUNROC CO., Glen Riddle, Pa.
(Sunroc water coolers and purifiers)
Branch office: 12810 Venice Blvd., Venice, Calif.; P.O. Box 12456, Los Angeles 64, Calif.
Distributors:
Tucson: Keenan Pipe & Supply Co., 101 S. 1st St.
Bakersfield: Keenan Pipe & Supply Co., 633 Williams St.
Brawley: Imperial Hdwe. Co.
Calexico: Imperial Hdwe. Co.
Calipatria: Imperial Hdwe. Co.
El Centro: Imperial Hdwe. Co.
Holtville: Imperial Hdwe. Co.
Imperial: Imperial Hdwe. Co.
Indio: Imperial Hdwe. Co.
Modesto: Slakey Bros. Inc., 529 Kansas St.
Oakland: Slakey Bros. Inc., 26th & Adeline St.
Pomona: Keenan Pipe & Supply Co., 450 W. Commercial St.
Redlands: Imperial Hdwe. Co.
San Francisco: Water Filters Consolidated, 1806 Market St.
San Jose: Slakey Bros. Inc., 801 Savaker Ave.
Yuma: Imperial Hdwe. Co.
Denver: Parker Co.
Billings: Montana Elec. Supply, P.O. Box 13231
Las Vegas: Sierra Appl. Co.
Reno: Sierra Appl. Co., 735 W. Third St.
Salt Lake City: Refrigeration Dist. Corp., 132 S. 2nd St. W.
Seattle: H. D. Fowler Co. Inc., 9th Ave. S. Lane
Hawaiian Islands: Los Angeles Office
Los Angeles: Keenan Pipe & Supply Co., 2112 E. 27th St.; Sacramento: Slakey Bros Inc., 1400 N. C St.
San Diego: Industries Supply Co., 345 5th Ave.
Santa Fe: Santa Fe Builders' Supply Co., P. O. Box 899

SUPERIOR ELECTRIC PRODUCTS CORP., Cape Girardeau, Mo.
(Superlectric & Supermatic household heating appliances)
Service Station:
Los Angeles: J and S Co., 43-56 W. 3rd (5)

SUPERSTAR APPL.
(See Stern-Brown, Inc.)

SURF ELEC. APPL.
(See G-M Laboratories)

THE A. O. SUTTON CORP., 1812 W. 2nd St., Wichita, Kans.
(Vornado ventilating fan)
Distributors:
Los Angeles: Sues, Young & Brown Inc., 3636 S. Bronson Ave.
San Francisco: McCormack & Co., 32 Gough St.
Portland: Lou Johnson Co., 422 N.W. 8th Ave (9)
Billings: N. W. Auto Supply Co., 424 N. Broadway
Salt Lake City: Pembroke Co., 24 E. Broadway
El Paso: Momsen Dunnegan Ryan Co.
Denver: Buerger Bros. Supply Co., 1732 Champa
Spokane: Inland Empire Wholesalers, 110 So. Wall St.

SWEDEN FREEZER MFG. CO., 3401 17th Ave. W., Seattle 99, Wash.
(Sweden Speed Juicer)
Factory service only.

SYLVANIA ELEC. PRODUCTS, INC., 500 5th Ave., New York 18, New York
Service Stations:
San Francisco: Service Radio Wholesale, 1357 Post St. (9)
Los Angeles: Ionic Equipment Co., 1705 N. Kenmore (27)

TECHNICAL APPLIANCE CORP., Sherburne, N. Y.
(Taco Antennas)
Representatives:
Los Angeles: Lee H. Owens Co., 2331 W. Washington Blvd.
San Francisco: David H. Ross Co., 1355 Market St.
Salt Lake City: Gates Co., 200 S. Main St.
Seattle: J. J. Backer Co., 2321 2nd Ave.
Radio parts jobbers:
Denver: Inter-State Radio & Supply Co., 1639 Tremont Place (2); Niles Phonograph & Radio Co., 505-7 & 9 14th St. (2)
Salt Lake City: General Electric Supply Corp., 312 W. Second South St.; O'Loughlin's Radio Supply, 113 E. Third South St. (1)

TELECHRON INC., Ashland, Mass.
(Clocks)
Service Stations
Phoenix: Vinson-Carter Elec. Co., 325 N. 4th St.
Fresno: The Clock Shop, 1418 Fulton St.
Long Beach: Calif. Elec. Service Inc., 1407 E. 4th St.
Los Angeles: Calif. Elec. Service Inc., 832 S. Alvarado St.
Oakland: The Clock Shop, 144 E. 14th St.
Sacramento: Lam-Co Elec., 1415 21st St.
San Diego: J. F. Zwiener Elec. Co., 1242 First Ave.
Santa Barbara: Mel-Time Repairs, 20 W. Carrillo St.
San Francisco: Calif. Elec. Service Inc., 168 First St.; M. C. Ross, 190 Gough St.
Colorado Springs: Modern Service Co., 10 E. Colorado Ave.
Denver: Mint Radio Service, 339 13th St.
Boise: Wright & Glover, 109 N. 10th St.
Billings: Billings Elec. Supply Co., 214 N. 30th St.
Butte: Radio Eng. Service, 219 W. Park St.
Albuquerque: L. H. Chant Elec. Co., P. O. Box 544, 712 W. Copper Ave.
Portland: B. W. Cobb Watch & Clock Shop, 220 Alder St.
Ogden: Coray Clock & Appl. Service, 2420 Grant Ave.
Salt Lake City: Time & Instrument Co., 57 Richards St.
Seattle: The Clock Shop, 325 Joshua Green Bldg.
Spokane: Harry's Elec. Clock Hospital, So. 175 Post St.
Cheyenne: Schmitt's Jewelry, 614 21st St.

TENNESSEE VALLEY MARKETERS INC., Gambill Bldg., Nashville, Tenn.
Distributors:
El Centro: Independent Hdwe. Co. (churns, space heaters)
Los Angeles: U. S. Grant Supply Co., 1154 So. Hill St. (water heaters)
Butte: General Electric Supply Co. (churns)
Denver: Hassco, Inc., 1745 Wazee St. (churns)
Portland: General Electric Supply Co., 230 N.W. Broadway (churns)
Seattle: General Electric Supply Co., 1212 First Ave. S. (churns)
Phoenix: Southwest Cooperative Wholesale Co., 1821 Jackson St.

THERMADOR ELECTRICAL MANUFACTURING CO., 5119 District Blvd., Los Angeles 22, Calif.
(Thermador elec. space heater, water heaters and ranges)
Factory at L. A. handles all service for Southern California, Arizona and New Mexico
Service Stations:
Redding: C. P. LeBrun, 1439 Butte St.
San Francisco: Electrical Appliance Service Co., 1434 Howard St.
Portland: Bressie Elec. Co., 909 S. W. 5th Ave.
Las Vegas: Miller Elec. & Eng. Co., 13 W. Charleston Blvd.
Fresno: Leonard F. Ballmer, 737 Olive Ave.
Eugene: Hamilton Elec. Co., 232 W. 5th St.
Medford: Trowbridge & Flynn Elec. Co., 214 W. Main St.
Spokane: Spokane Appl. Repair, So. 173 Wall St.
Sacramento: Lam-Co Electric, 1415 21st St.
Pasco: Electric Appl. Center, 124 N. 4th St.
Seattle: J. M. Hooper Elec. Co., 222 Marion St.
Tacoma: Ajax Elec. Co., 747 Fawcett Ave.

THERMO-MAT CO., 814 S. Robertson Blvd., Los Angeles 35, Calif.
(Electrically heated neoprene floor mat)

THOR CORP., Cermak Road & 54th Ave., Chicago 50, Ill.
Service dept.: 2010 So. Marshall Blvd., Chicago 23, Ill.
Factory parts depots and service stations:
Distributors:
Phoenix: Appliance Distributors, 213 S. 11th Ave.
Billings: Parker Montana Co., 511 N. 21st St.
Seattle: Appliance Parts & Service Co., 214 Stewart St. (1)
Spokane: Appliance Parts & Serv. Co., 609 Trent
Portland: W. L. May Co., 215 N.W. Park Ave.
Sacramento: Al Bedford's Parts Supply, 1626 N. C St.
San Francisco: Washing Machine Parts Co., 45 Rhode Island St.
Los Angeles: Washing Machine Parts Co., 1241 So. Hope St. (15); Elect. Appl. Serv. Co., 726 W. Venice Blvd.
San Diego: Washing Machine Parts Co., 1743 India St. (1); Elect. Appl. Serv. Co., 302 17th St. (2)
Denver: Appliance Dist. Inc., Wazee Mkt.; Ray Jones, 376 So. Broadway
Salt Lake City: Walter B. Lloyd Co., 51 S. 2nd West St.; A-1 Master Elec. Shop, 47 E. 4th St.
Albuquerque: Bill Jones Wash. Machine Service, 4201 E. Lunado

THRUSH, H. A. & CO., W 8th St. at Jefferson, Peru, Ind.

TITAN MFG. CO. INC., 701 Seneca St., Buffalo 10, N. Y.
Service Stations:
San Francisco: Electrical Appliance Service Co., 1434 Howard St.
Seattle: Appliance Service Station, 1220 Westlake Ave. No.; Appliance Parts & Service, 216 Stewart St.
Los Angeles: Calif. Elec. Service Co., 832 S. Alvarado St. (5)
Butte: Radio Engineering Service, 219 W. Park St.
Denver: Western Appliance & Electric, 1159 Stout St.
Portland: Bressie Electric, 909 S. W. 5th Ave.
Spokane: Appliance Parts & Service.

TOASTMASTER (See McGraw Electric Co.)

TOASTSWELL CO., 620 Tower Grove Ave., St. Louis 10, Mo.
(Toastwell products)
Service stations:
Phoenix: Vinson-Carter Elec. Co., 325 N. 4th St.
San Francisco: M. C. Ross, 190 Gough St. (2)
Portland: Bressie Electric Co., 909 S. W. 5th Ave. (4)
Spokane: Warranty Radio & Appliance Service, 1024 W. First Ave.
Seattle: A Appliance Co., 610 E. Pine St. (22)
Tacoma: Ajax Elec. Co., 747 Fawcett Ave.
Billings: Billings Electric Supply Co., 214 N. 30th St.
Salt Lake City: Appliance Service Center, 57 Richards St. (1)
Denver: Denver Appliance & Elec. Co., 1159 Stout St.
Long Beach: Calif. Elec. Service, 1407 E. 4th St.
Los Angeles: Calif. Elec. Service, 832 S. Alvarado
Sacramento: Remington's Elec. Service, 2320 21st St.
San Diego: Electrical Appl. Service Co., 302 17th St.
Honolulu: Coleman Co. Ltd., P.O. Box 2758, 29 King St.

TORK CLOCK CO., 1 Grove St., Mt. Vernon, N. Y.
Representatives:
Los Angeles: Allied Industries, 412 Seaton St. (13)
San Francisco: Eichorn & Melchoir, 501 Indiana St.
Seattle: Freeman C. Scharr, 441 Dexter Horton Bldg. (4)
Salt Lake City: Stevens Sales Co., 41 Post Office Pl. (1)
Denver: L. S. Reed & Co., 1018 Lawrence St.

TRAV-LER RADIO CORP., 571 W. Jackson Blvd.; Chicago 6, Ill.
(Television, radio and record players)
Distributors:
Albuquerque: Allied Wholesale Dist., 3004 West Central
San Francisco: Associated Radio Dist., 1251 Folsom St.
Denver: The Parker Co., 1520 Wazee St. (2)
Seattle: Washington Distributors, 2521 2nd Ave.
Los Angeles: The Corwin Co., 1147 S. Hope
Portland: Florence Dist. Co., 1132 N.W. Glisan
Remaining western territories serviced from Chicago office or factory

TRAYWAY MFG. CO., 2973 Mission St., San Francisco, Calif.

TREND CLOCKS, INC., 201 E. Main St., Zeeland 2, Mich.
Service Station:
Los Angeles: Davis Distributing Co., 427 S. Western Ave. (5)

TRENT, INC., 201-299 Leverington Ave., Philadelphia 27, Pa.
(Trent elec. heaters, hot plates, kettles, ovens, furnaces)
Representatives:
Los Angeles: Kirk-Palka Co., 415 Wall St. (13)
San Francisco: Kirk-Palka Co., 420 Market St. (11)
Portland: Pac. Elec. Sales Co., 232 N. E. 9th St. (14)
Denver: Earl S. Rau, 1671 Colorado Blvd. (7)
Salt Lake City: Mine & Smelting Supply Co., 121 W. 2nd St. So.

TRILMONT PROD. CO., 24th and Walnut St., Philadelphia 3, Pa.
(Trilmont safety heaters and heater dryers)
Factory service

TRU-AID DIV.
(See Mitchell Mfg. Co.)

TRUSCON STEEL CO., Albert St., Youngstown, Ohio.

TUTTLE, H. W., & CO., Adrian, Mich. Wholesalers handle replacement parts for these electrical appliances

TWINFACE CLOCKS
(See Hobar Co.)

TYLER FIXTURE CORP., Niles, Mich.
(Tyler Harder-Freez home freezer)
Representatives:
Phoenix: Gordon E. Wilkins, Ironers Inc., 2531 N. 15th St.
Los Angeles: Gordon E. Wilkens Ironers Inc., 128 S. Alameda St.
Oakland: Gordon E. Wilkins, Ironers Inc., 3100 Telegraph
San Francisco: Gordon E. Wilkins, Ironers Inc., 1355 Market St.
Denver: Appliance Dist. Inc., 211 Wazee Market
Pueblo: Frigid Equip. Co., 320 S. Union Ave.
Billings: Taylor Distr. Co., 4148 First Ave., S.
Missoula: Clausen Refrig. Co., 432 N. Higgins St.
Albuquerque: Pipkin Refrigeration Supply, 909 Bridge
Portland: Ralph S. Hamilton Co., 1133 N. W. Glisan
Bend: Oregon Equip. Co., 165 E. Greenwood
Klamath Falls: Oregon Equip. Co., 203 So. Riverside
The Dalles: Oregon Equipment Co., 105 E. 2nd St.
Salt Lake City: Deseret Appl. Dist. Inc., 142 S. 5th, W.
Spokane: E. S. Matthews Inc., 151 S. Post St.
Chehalis: Coastal Refrig. Co., 1075 Market St.
Yakima: Ruxton's Refrig. Service, 402 W. Yakima Ave.
Tacoma: Sanford Brown Refrig. Co., 3424 So. Tacoma Way

UNIVERSAL APPLIANCES (See Landers, Frary & Clark)

U. S. ELEC. HOME PROD. INC., 145 58th St., Brooklyn 20, N. Y.

UTILITY APPLIANCE CORP.
(formerly Utility Fan Corp.), 4851 S. Alameda St., Los Angeles 58, Calif.
(Utility air coolers)
District offices:
Fresno: Howard Diehl, P.O. Box 2002
Phoenix: Val Lehmann, 1409 E. Solano Drive
Portland: Wm. A. Dozier, 826 N.E. 78th St. (13)

VACULATOR LINE (See Hill-Shaw Co.)

VACUUM CAN CO., 25 S. Hoyne Ave., Chicago 12, Ill.

VERPLEX CO., Essex, Conn.
Factory service only.

VICTOR ELECTRIC PROD., INC., 2950 Robertson Ave., Cincinnati, 9, Ohio
Victron products
Service Centers:
Denver: Midwest Elec. Service Co., 323 Colfax Ave.
San Francisco: Electrical Appliance Service Co., 1434 Howard St.
Portland: Morrison Electric, 1206 S.W. Washington
Seattle: Fellstrom Electric

VICTROLAS
(See Radio Corp of America)

VIDRIO PRODUCTS CO., 134 W. 54th St., Chicago 9, Ill.
(Sterro, Baby Grande and Master Grande portable washers; Waldorf Liqui-Mixer; Air Chief Fans; De Luxe hair dryer)
Factory service only and limited to available parts.

VIRDEN, JOHN C. CO., Cleveland, Ohio.

V-LECTRICAL ENG. CO., 828 N. Highland Ave., Hollywood 38, Calif. (See Calbest Eng. & Electronic Co.)

VORNADO VENTILATING FANS (See The A. O. Sutton Corp.)

VOSS BROS. MFG. CO., Davenport, Iowa
(Voss washing machines)
Parts Distributors:
Salt Lake City: A-1 Master Elec. Shop, 47 E. 4th St. S.
Spokane: Spokane Washer Co., 203 W. Main Ave.
Portland: W. T. Dyke Service Co., 12 S. E. 28th Ave.; W. L. May Co., 215 N. W. Park Ave.
Denver: Ray Jones Washing Mach. Parts, 376 So. Broadway
San Francisco: Washing Mach. Parts Co., 1375 Mission St.; Elec. Appl. Service Co., 1434 Howard St. (3)
Los Angeles: Elec. Appl. Parts Service Corp., 726 W. Venice Blvd.; Washing Machine Parts Co., 1241 So. Hope St. (15)
Seattle: Appl. Parts & Serv. Co., 214 Stewart St. (1)
San Diego: Washing Machine Parts Co., 1743 India St. (1)

WAAGE MANUFACTURING CO., 632 N. Albany Ave., Chicago 12, Ill.
(WAAGE Springacto electric iron cords; appliance repair parts)
Seattle: Appl. Parts & Service Co., 216 Stewart St. (1)
Portland: Bressie Elec. Co., 909 Southwest 5th Ave. (4)
Bakersfield: Urner's Appl. Center, 212 21st St.
San Francisco: Calif. Elec. Ser. Sta., 168 First St. (5); Will M. Aronson, 668 Howard St.; Appliance Elec. Serv. Co., 1434 Harriet St.
Los Angeles: Calif. Elec. Ser. Station Inc., 832 So. Alvarado St. (5)
Spokane: Appl. Parts & Service Co., 609 W. Trent Ave.
Salt Lake City: A-1 Master Electric Co., 47 E. 4th St. (1)
San Diego: Electrical Appliance Service Corp., 302 17th St.
Denver: Midwest Elec. Service Co., 1124 Santa Fe Drive (4)
Phoenix: Vinson-Carter Elec. Co., 325 N. 4th St.

WALDORF LIQUI-MIXER (See Vidrio Products Co.)

WALKER & PRATT MFG. CO., 17 Main St., Watertown, Mass.

WARING PRODUCTS CORP., 25 W. 43rd St., New York 36, N.Y.
(Waring Blendor and Waring steam iron, Durabilt folding and travel irons)
Service Stations:
Sacramento: Lamco Electric, 1415 21st St.
San Francisco: Appliance Service Factors, 123 Steuart St. (5)
Los Angeles: California Electric Service Inc., 832 S. Alvarado St.
Portland: Morrison Electric Co., 1208 S. W. Washington & 12th Ave. (8)
Denver: Western Appl. & Elec. Co., 1159 Stout St.
El Paso: Wayne M. Tinkler & Co., Ltd., 813 Cedar St.
Seattle: Appliance Parts & Service, 216 Stewart St.
Spokane: Appliance Parts & Service Co., W. 609 Trent Ave. (8)
Honolulu: Hawaiian Elec. Co., Ltd., 900 Richards St.

WARWICK MFG. CORP., 4640 W. Harrison St., Chicago 44, Ill.

WATERBURY CLOCK CO. (See Ingersoll Div.)

WATERMASTER ELEC. WATER HEATER (See Collins Concrete & Steel Pipe Co.)

WAVERLY PRODUCTS INC. (See Rival Mfg. Co.)

WELCH CO., W. W., Glenn Bldg., Cincinnati 2, Ohio
(Air Flight circulators)
Service Stations:
Los Angeles: Calif. Electric Service, Inc., 832 S. Alvarado St. (5)
Long Beach: Calif. Electric Service, Inc., 1407 E. 4th St.
San Francisco: Calif. Electric Service, Inc., 168 First St. (5)
Houston: Arnold Electric Co., 1817 W. Alabama (6)

WELKO INC., 219 W. Chicago Ave., Chicago 10, Ill.
Service Stations (Except fryers):
Portland: W. L. May Co., 215 N. W. Park Ave. (9)
San Francisco: Renner Electric, 260 Kearny St. (8)

WELLS MFG. CO., 220 Ninth St., San Francisco 3, Calif.
Service Stations:
Los Angeles: Mac & Jack Appl. Repair, 1357 Temple St.
San Diego: J. F. Zwiener Elec'l Co., 1242 1st Ave.
San Francisco: Wells Mfg. Co., 220 9th St. (3)
Portland: Bressie Elec. Co., 909 S.W. 5th Ave.
Seattle: Appliance Parts & Service Co., 216 Stewart St.
Spokane: Appliance Parts & Service Co., W. 609 Trent

WESIX ELECTRIC HEATER CO., 390 1st St., San Francisco, Calif.
(Wesix electric water heaters and room heaters)
Branches:
Seattle: Securities Bldg., 3rd & Stewart (1)
Portland: Terminal Sales Bldg., 12th & Morrison St.
San Francisco: 390 1st St. (5)
Los Angeles: Brockman Bldg., 7th & Grand (14)

WESTCLOX, Div. of General Time Corp., La Salle, Ill.
(electric clocks)
Service Station:
San Francisco: Schloss Mfg. Co., 540 Mission St. (5)

WESTINGHOUSE ELECTRIC CORP., 246 E. 4th St., Mansfield, Ohio; Western Office, 1355 Market St., San Francisco 3, Calif.
(Ranges, refrigerators, home freezers, Laundromats, dryers, water heaters, Waste-Aways, dish-washers, water coolers, milk coolers, food mixers, dehumidifiers)
Serviced by:
Westinghouse Electric Supply Co.
Seattle: 1051 First Ave. So. (4)
Spokane: N. 1023 Monroe St. (1)
Tacoma: 1930 Pacific Ave. (2)
Yakima: 13 South 7th Ave.
Portland: 1313 N.W. Glisan (9)
Butte: 949 S. Montana St.
Boise: 710 Front St.
Salt Lake City: 210 Rio Grande St. (14)
Phoenix: 315 W. Jackson St.
Vernon: 4601 S. Boyle St.
Oakland: 711 E. 8th St. (6)
Denver: Savage & Son, P.O. Box 5546 (17)
Las Vegas: Saviers Elec. Prod. Corp., 101 E. Charleston Blvd.
Reno: Saviers Elec'l Prod. Corp. P.O. Box 531
San Diego: Distributors, Inc. 541 Second Ave. (12)
(Irons, waffle irons, sandwich grills, roasters, percolators, hot plates, vacuum cleaners, fans, toasters, Cozy Glows, coffee makers, electric griddles, broiler grids, food mixers and electric bed coverings)
Serviced by:
Seattle: Westinghouse Elec. Supply Corp., 1051 First Ave. S. (4)
Spokane: Westinghouse Elec. Supply Corp., N. 1023 Monroe St. (1)
Tacoma: Ajax Electric Co. 747 Fawcett St.
Portland: Westinghouse Elec. Supply Corp., 1313 N. W. Glisan (9)
Butte: Reliable Radio Sales & Service, 2130 Ottawa St.
Boise: Home Appliance Service, 1519 N. 13th St.
Salt Lake City: Appliance Service Center, Inc., 57 Richards St. (1)
Phoenix: Westinghouse Elec. Supply Corp., 315 W. Jackson St.
Albuquerque: Thompson Music Co., 315 N. Third
Las Vegas: Saviers Elec. Prod. Corp., 101 E. Charleston Blvd.
Reno: Saviers Elec'l Prod. Corp., Box 531
Denver: Savage & Son, P.O. Box 5546 (17)
San Diego: Electric Supplies Dist. Co., 435 Second Ave. (12)
Los Angeles: California Electric Service Co., 832 S. Alvarado St.
Long Beach: California Electric Service Co., 1407 E. Fourth St.
San Francisco: California Electric Service Co., 168 First St.

WESTLITE ASSOCIATED LIGHTING SERVICE, 488 Bryant St., San Francisco 7, Calif.

WEST WIND CORP., 1800 Airport Way, Seattle, Wash.

WHIRLPOOL CORP., St. Joseph, Mich.
(Whirlpool washers, electric and gas dryers and irons)
Distributors:
San Francisco: H. S. Basford Co., 235 15th St.
Los Angeles: Graybar Elec. Co. Inc., 210 S. Anderson.
San Diego: Graybar Elec. Co., 720 State St.
Portland: Electrical Dist. Inc., 140 N.W. 14th Ave.
Spokane: Prudential Dist., S. 151 Stevens.
Salt Lake City: Strevell-Paterson Hardware Co.
Denver: Western Appl. Co., 201 S. Cherokee.
Phoenix: Arizona Hardware, 47 E. Jackson

WHITE PRODUCTS CORP., Middleville, Mich.
(White elec. water heaters)
Parts and service:
Denver: Austin & Sons Distributors, 1819 Wazee St. (2); Elliott Schmidt Elec. Co., 945 9th St.; Contractors Htg. & Supply Co., 70 Santa Fe Dr (9)
Salt Lake City: Western Supply Co., 357-9 W. 2nd St. (1)
Boise: Western Supply Co.
Pocatello: Western Supply Co.
Billings, Western Bldrs. Supply, 1510 Montana Ave.

WHITE SEWING MACHINE CORP., Cleveland 1, Ohio
(White sewing machines)
Department stores where service and repair work may be obtained.
Seattle: Frederick & Nelson
Spokane: The Crescent
Portland: Meier & Frank Co.
San Diego: Walker's
San Francisco: The Emporium; Macy's of San Francisco
Oakland: H. C. Capwell & Co.
San Jose: L. Hart & Son Co.
Stockton: Stockton Dry Goods Co.
Fresno: E. Gottschalk & Co.
Los Angeles: The May Co.; Broadway Dept. Store
Denver: The May Co.
Tacoma: Rhodes Bros.
Salt Lake City: Auerbach Co.
Sacramento: Hale's Dept. Store
Phoenix: Korrick's Inc.

WHITEHEAD MFG. CO., JUD., Fremont, Nebr.
(J. W. gas and electric hot water storage heaters)
Oakland: Jud Whitehead Heater Co., 4111 Broadway

WIEGAND CO., EDWIN L., 7500 Thomas Blvd., Pittsburgh, Pa.
(Chromalox elec. htg. units; Chromalox elec. range top cooking units, water heater replacement units)
Serviced by Montgomery Bros.:
Seattle: 911 Western Ave. (4)
Portland: 2104 N. W. 15th St. (9)
San Francisco: 1122 Howard St. (3)
Los Angeles: 2133 So. San Pedro St. (1)
Denver: Richards-Conant, 2415 15th St. (11)
Distributors:
Tucson: Tucson Elec. Supply Co., 523 E. 10th St.
Bakersfield: Kern Elec. Dist., 3830 Chester Ave.
Fresno: Electrical Suppliers, Inc., 220 M St.; Incandescent Supply Co., 946 N St.
Los Angeles: Incandescent Supply, 833 E. 3rd St.
Oakland: Incandescent Supply Co., 2800 Broadway
Redding: Incandescent Supply Co., 2146 Pine St.
Sacramento: Incandescent Supply Co., 2111 Q St.; Valley Elec. Co., 1831 18th St.
San Diego: Coast Elec. Co., 744 G St.
San Francisco: Montgomery Bros., 1122 Howard St.; J. B. Calder Co., 1017 Howard St.; Incandescent Supply Co., 647 Mission St.
San Jose: Service Elec. Supply Co., 303 W. San Fernando
Santa Rosa: Jobbers Elec. Co., 5th and A Sts.
Stockton: Global Elec. & Mfg. Co., 36 N Commerce St.; Valley Elec. Co., 630 N. Grant
Ventura: Valley Elec. Supply, 188 W. Brooks St.
Denver: Central Elec. Supply Co.; Elliott-Schmidt Elec. Supply Co.; Hendrie & Bolthoff Co.
Boise: Afton Lemp Elec. Co., 415 S. 9th
Billings: Midland Implement Co.; Montana Elec. Supply; Glacier State Elec. Supply
Great Falls: Glacier State Elec. Supply
Kalispell: Kalispell Merc. Co.
Missoula: Missoula Merc. Co.
Reno: Saviers Elec. Products, 601 Sierra St.
Albuquerque: State Elec. Supply Co.
Eugene: C. P. Tillman Co., 215 W. Fifth
Portland: Chown Elec. Supply Co., 112 S. W. 2nd Ave.; Eoff Elec. Co., 509 N. W. 10th Ave.; W. L. May Co., 232 N. W. Park Ave.; North Coast Electric, 625 N. W. Everett; Stubbs Electric, 33 N. W. Park Ave.
Salem: Eoff Elec. Co., 156 N. Front
Salt Lake City: Flint Dist. Co., 316 W 2nd South
Seattle: Appliance Parts & Service, 216 Stewart St.; Globe Elec. Co., 215 2nd Ave. S.; North Coast Elec. Co., 171 Jackson St.; Palmer Elec. Co., 307 Westlake N.
Spokane: Appliance Parts & Service, W. 609 Trent Ave.; Columbia Elec. & Mfg. Co., S. 123 Wall St.
Tacoma: Home Elec. Co. Co., 1216 A St.
Walla Walla: Electric Supply & Fixture Co., 11th & Rose St.
Yakima: Inland Pipe & Supply Co., Front & Walnut

WILCOX-GAY CORP., Charlotte, Mich.
(Recordio, Recordette, Recordio discs, Recordiopoint needles, Recordio recording tape)
Distributors:
Los Angeles: Pacific Telecoin Co., 1776 S. Robertson Blvd.
San Francisco: Pacific Telecoin Co., 1337 Mission St.
Portland: F. B. Connelly Co., 905 Northwest 12th Ave. (9)
Seattle: F. B. Connelly Co., 1015 Republican St. (9)
Spokane: Prudential Distributing Co. Inc., 151 S. Stevens
Great Falls: Northwest States Supply Co., P.O. Box 2033
Helena: Northwest States Supply Co., P.O. Box 835
Phoenix: Radio Specialties & Appliance Co., 401 W. Jackson St.
Denver: Boyd Distributing Co., 20 W. 13th St. (4)
Butte: Northwest States Supply Co., Box 368
Ogden: Ballard & Carter, 2478 Grant Ave.

WILLIAMS OIL-O-MATIC DIVISION, Eureka Williams Corp., 1201 E. Bell St., Bloomington, Ill.
(Williams Oil-O-Matic burners, boilers, furnaces and Williams H.P. burners)
(See also Eureka-Williams Corp.)
Spokane: J. F. Babcock, 222 N. Division St.; Pac. Coast Heating & Appl. Co., W. 1205 College.
Walla Walla: W. R. O'Rourke Plumb. & Htg. Co., 339 S. 2nd St.
Portland: Pac. Coast Htg. & Appl. Co., 1464 N.W. Front Ave.; Power Plant Eng. Co., 4069 N.E. Union Ave. (12)
Salem. Heating Equipment Co., 274 N. 20th St.
Eugene: L. P. Curtsinger, 267 Van Buren St.
San Francisco: E. A. Cornely, Inc., 1277 Howard St.
Oakland: Cooks Oil Co., 1358 Powell St. (8).
Sacramento: Rotary Sierra Co., 1625 N. C St.
Salt Lake City: Red Feather Oil Co., 204 W. 17th S.
Reno: Savage & Son Inc., 628 S. Virginia St.
San Diego: Southwest Supply Co., 510 8th Ave.
Los Angeles: Harry F. Haldeman Inc., 2401 S. Hill St.
The Dalles: R. A. Twiss, 506 E. 2nd
Everett, Wash.: F. M. Haskell P. & H., 3014 Wetmore Ave.; Everett Plbg. & Htg. Co., 2723 Rockefeller St.
Longview: Manning Fuel Oil Co., Vandercook & Commerce
Vancouver, Wash.: Power Inc., 607 W. 11th St.
Missoula: Thrasher Htg. Serv., 612 S. Higgins
Ogden: Weber Fuel Oil Co., 2359 Grant St.
Tremonton, Utah: J. G. Burgess Co., 131 So. First E.
Boise: Ryan Automatic Heating Co., Route No. 2; Foster Htg. Ser., 2620 Broadway
Idaho Falls: Idaho Falls Produce & Supply Co., Box 337
Olympia: Acme Fuel Co., 416 State St.
Seattle: Pac. Coast Heating & Appl. Co., Foot of Main St.
Yakima: Buren Sheet Metal Co.
Caldwell, Ida.: Heating Equipment Co., 608 Main St.
Nampa, Ida.: Shaw Sheet Metal, 115 14th Ave. S.
Twin Falls, Ida.: Abbotts Plumbing & Appliance Co., 740 Shoshone St. W.
Weiser, Ida.: Benson & Bates Plumbing, Heating & Electric Co., 1006 W. 5th St.

WINSTED HARDWARE MANUFACTURING CO., Winsted, Conn.
(Durablit elec. appl.)
Service Stations:
Sacramento: Lameo Electric, 1415 21st St.
San Francisco: Appliance Service Factors, 123 Steuart St. (5)
Los Angeles: Calif. Elec. Serv. Inc., 832 So. Alvarado St. (5)
Portland: Bressie Electric, 909 S.W. 5th Ave.; Morrison Elec. Co., 1206 S.W. Wash. at 12th Ave. (8)
Denver: Western Appl. & Elec. Co., 1159 Stout St.
Seattle: Appliance Parts & Service Co., 216 Stewart St. (1)
Spokane: Appliance Parts & Service Co., W. 609 Trent Ave. (8)
Honolulu: Hawaiian Elec. Co. Ltd., 900 Richards St.

WOOD CO., JOHN, Conshohocken, Pa.; Chicago, Ill.

WOOLWINE ELEC. RANGES
(See Thermador Elec. Mfg. Co.)

WROUGHT WASHER MFG. CO., 2177 South Bay St., Milwaukee 7, Wis.
(Washers, metal. Stampings, dies)
Representatives:
Seattle: Hughson & Merton, 269 Colman Bldg (4)
Salt Lake City: Hughson & Merton, 509 Benson Bldg. (1)
San Francisco: Hughson & Merton, 1270 Bush St. (9)
Los Angeles: Hughson & Merton, 3209 Glendale Blvd.

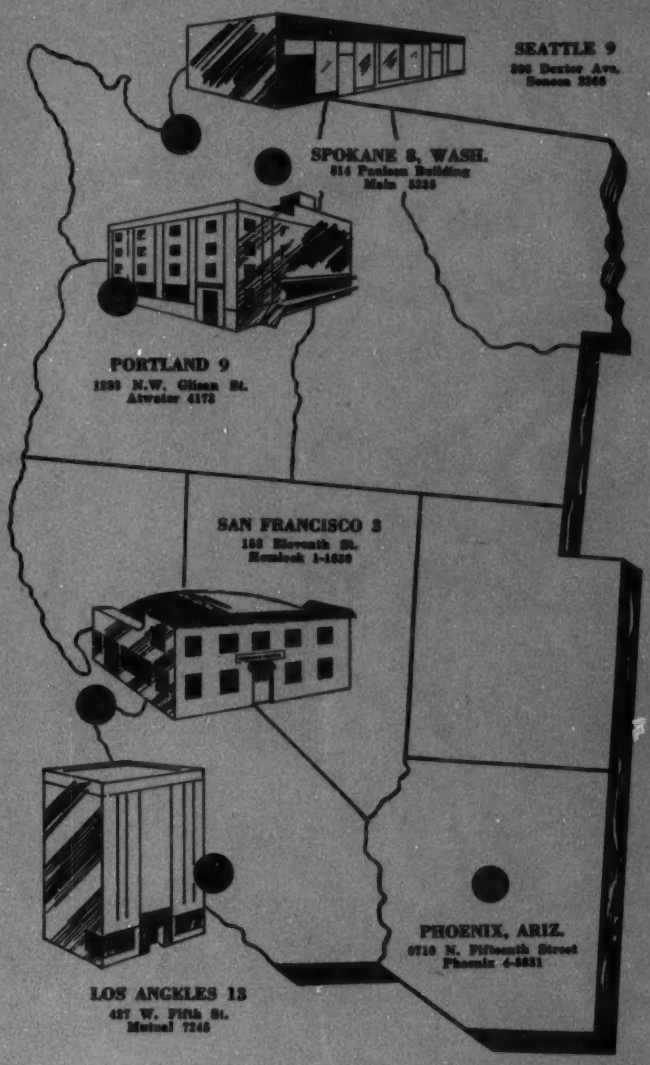
YOUNG CORP., Fall River, Mass.
Parts and service:
Denver: Ray Jones Washing Machine Parts & Repair Co., 276 So. Broadway (9)

ZENITH RADIO CORP., 6001 Dickens Ave., Chicago, Ill.
Distributors:
Phoenix: Electrical Equipment Co. of Ariz., 1st Ave. at Madison
Fresno: B. J. DeJarmatt Wholesale Co., 223 Fulton St.
Los Angeles: Suss-Young & Brown, 3636 S. Bronson Ave.
Sacramento: Brolli-Parks Co., 2225 19th St.
San Diego: Elec. Supplies Dist. Co., 435 2nd Ave. (12)
San Francisco: H. R. Basford Co., 235 15th St.
Denver: Western Appliance Corp., 201 S. Cherokee St.
Billings: Midland Implement Co., 2301 Montana Ave.
Portland: Electrical Dist. Inc., 140 N.W. 14th Ave. (9)
Salt Lake City: W. H. Bintz Co., 433 W. 3rd St. S.
Seattle: Seattle Hdwe. Co., 501 First Ave., S. (14)
Spokane: Columbia Electric & Mfg. Co., 123 S. Wall St. (8)
Amarillo: Nunn Elec. Supply Corp., 105 Polk St.
El Paso: Albert Mathias Co., 111-119 S. Mesa Ave.

INDEX TO ADVERTISERS

Directory Issue • Part II • April, 1952

Allis-Chalmers Mfg. Co. 2nd Cover and 1
Allen, L. B. 65
Allied Industries, Inc. 64
Bakeman & Associates, C. T. 63
Bartlett Mfg. Co. 7
Benz Co., Fred D. 55
Best, Ken H. 63
Blackburn Products Corp., Jasper 9, 65
Bracken Sales Agency, William 61
Bran Co., Frank H. 13
Briegel Method Tool Co. 5
Buchanan Elec'l Products 69, 71
Bussmann Mfg. Co. 10
California Ultraviolet Co. 31
Campbell & George Co. 63
Cannon Electric Company 10
Chapman Co., J M. 74
Cook Co., E. B. 66
Cramer Co., R. W. 15
Curtis Lighting, Inc. 3
Delta Star Electric Co. 11
Dickson, Arthur L. 65
Duncan Electric Mfg. Co. 55
Easterbrook, H. D. 72
Economy Fuse Mfg. Co. 16
Eichorn & Melchior 70
Electrical Specialty Company 69
Everstick Anchor 18
Fincke Company, John M. 71
Fowler Co., M. L. 36
G&W Electric Specialty Co. 4th Cover
Gardner Electric Mfg. Co. 21
Gratiot & Sons, C. J. 32
Gray Co., George A. 68
General Electric Supply Corp. 23
Hill Sales Co., J. T. 70
Honn Co., George E. 64
Hubbard & Company 25
Indiana Steel & Wire 26
Industrial Eng. & Equipment Corp. 9
Ingalls & Sons, C. E. 28
JWR Co. 27
Kearney Corp., James R. 29
Keystone Carbon Co., Inc. 63
Kirk-Polko Co. 68
Kortick Mfg. Company 30
Laduby Company 60
LaMoree, C. D. 61
Levin, M. 59
Liner, Joseph 12
Lint, Clyde W. 31
Lombard Smith Co. 73
Lundy, Ralph B. 75
Marwood Limited 27
Matthews Corp., W. N. 32
Maydwell & Hartzell, Inc. 3rd Cover
McGuire, Wm. A. 62
McMillen-Stanley Co. 74
Mend-It-Sleeve Mfg. Co. 66
Mercoid Corporation 33
Meyers Safety Switch Co., Inc. 33
Montgomery Brothers 18
Mundstock, James 62
Nicholas Co., F. M. 60
Noel Company, Ray J. 33
North American Electric Lamp Co. 35
Nott, L. A. 74
Panama Lamp & Commercial Co. 12, 62
Penning, J. R. 35
Petersen Engineering Co. 36
Pomeroy, J. G. 71
Pyle-National Co. 39
RLM Standards Institute 41
Randolph Co., H. J. 57
Reliance Automatic Lighting Co. 40
Routh Co., T. R. 70
Rowe, A. E. 57
Ryals Co., K. M. 37
Safety Switchboard Co., Inc. 69
Sangamo Electric Co. 43
Signal Electric Mfg. Co. 44
Smallcomb Electric Co. 59
Soapstone Duct Company 58
Somerville, G. N. 26
Spang-Chalfant Div. Nat'l Supply 47
Sperti-Faraday, Inc. 67
Squires, H. B. 74
Squires & Marshall 51
Taufenbach Co., Les 73
Thompson, L. W. 72
Unistrut Products Co. 49
Wadsworth Electric Mfg. Co., Inc. 55
Wallace Co., Walter E. 9
Waltham, DeWitt & Krusi 7
Ware Fuse Corp. 53
Western Hardware & Tool Co. 19, 56, 62, 65, 75
Western Switchboard Co. 68
Western Transformer Co. 52
Wicx-Merit Glove Co. 52
Wood, Thomas S. 64
Wuelker Infra Red & Lighting Co. 61



Where-to-Buy in the West

KEARNEY
Utility Equipment

VICTOR
Porcelain Insulators

KORTICK
Pole Line Hardware

GARDNER
Transformers

FEDERAL
Communication Equipment

ST. LOUIS
Angle Pins and Specialties

SOAPSTONE
Underground Duct

HEMINGRAY
Glass Insulators

Locust Pins
Oak Brackets
Cedar and Fir Poles
Douglas Fir Crossarms
Redwood, Oak and Fir Moulding
Galvanized Guy Strand
Galvanized Telephone Wire

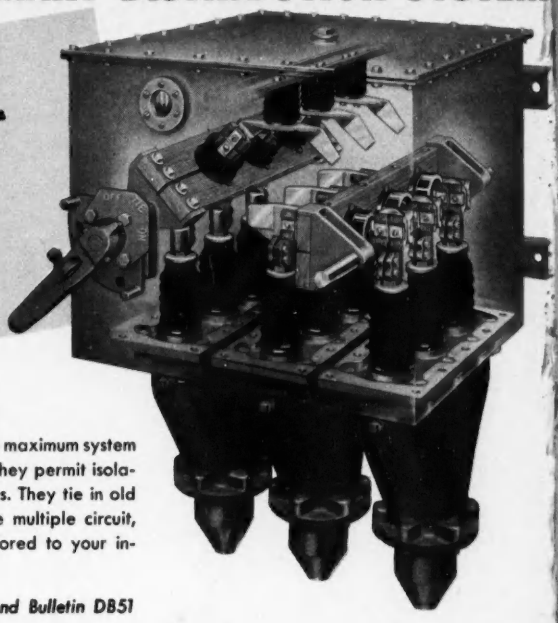
ELECTRICAL Transmission Distribution Communication EQUIPMENT

Engineers and Factory Distributors

MAYDWELL & HARTZELL
INCORPORATED

CUSTOM ENGINEER YOUR PRIMARY DISTRIBUTION SYSTEM

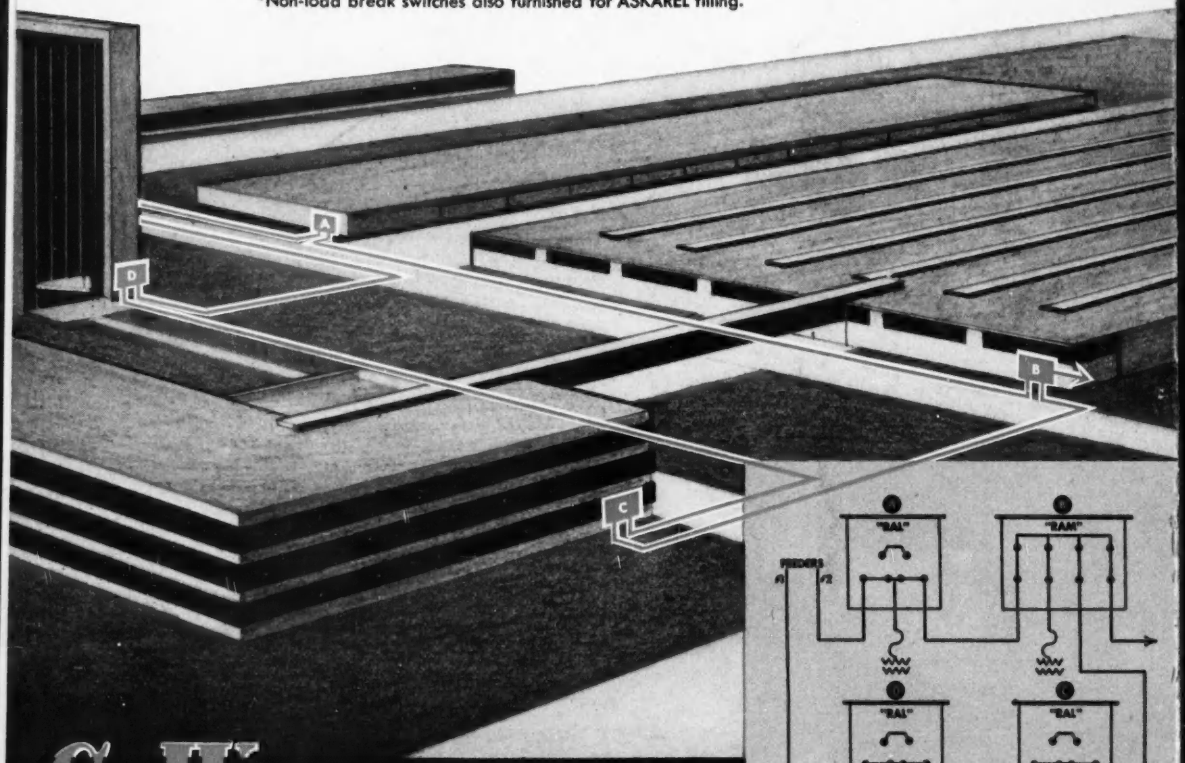
WITH F·L·E·X·I·B·L·E ECONOMICAL G & W EQUIPMENT

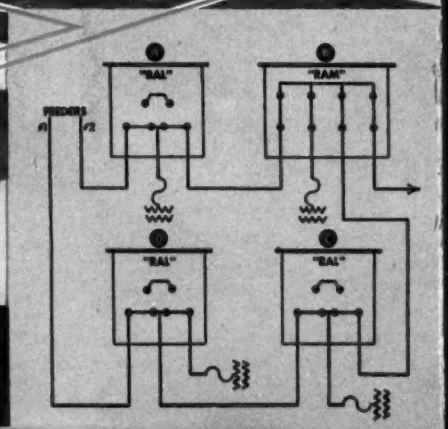


Type "RAL" and "RAM" oil switches provide maximum system flexibility with minimum load interruption. They permit isolation of individual loads and feeder sections. They tie in old and new plant layouts. These switches are multiple circuit, FULL load break*, high voltage units tailored to your individual requirements.

Send for Bulletin H49 on system layouts and Bulletin DB51 listing various forms of "RA" switches.

*Non-load break switches also furnished for ASKAREL filling.





G & W ELECTRIC SPECIALTY CO.

7780 DANTE AVE., CHICAGO 19, ILL., U.S.A.

Cable terminating, connecting and sectionalizing devices

Sales of G & W Products in Canada: Reynolds Prince Ltd., Toronto and Montreal